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NEWS 4 APR 04 STN AnaVist \$500 visualization usage credit offered
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NEWS 7 MAY 19 Derwent World Patents Index to be reloaded and enhanced
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USPATFULL/USPAT2
NEWS 9 MAY 30 The F-Term thesaurus is now available in CA/CAPLUS
NEWS 10 JUN 02 The first reclassification of IPC codes now complete in
INPADOC
NEWS 11 JUN 26 TULSA/TULSA2 reloaded and enhanced with new search and
and display fields
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NEWS 13 JUL 11 CHEMSAFE reloaded and enhanced
NEWS 14 JUL 14 FSTA enhanced with Japanese patents
NEWS 15 JUL 19 Coverage of Research Disclosure reinstated in DWPI
NEWS 16 AUG 09 INSPEC enhanced with 1898-1968 archive
NEWS 17 AUG 28 ADISCTI Reloaded and Enhanced

NEWS EXPRESS JUNE 30 CURRENT WINDOWS VERSION IS V8.01b, CURRENT
MACINTOSH VERSION IS V6.0c(ENG) AND V6.0Jc(JP),
AND CURRENT DISCOVER FILE IS DATED 26 JUNE 2006.

NEWS HOURS STN Operating Hours Plus Help Desk Availability
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NEWS IPC8 For general information regarding STN implementation of IPC 8
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* * * * * STN Columbus * * * * *

FILE 'HOME' ENTERED AT 14:06:24 ON 29 AUG 2006

=> file reg

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

0.21

0.21

FILE 'REGISTRY' ENTERED AT 14:06:39 ON 29 AUG 2006

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STRUCTURE FILE UPDATES: 28 AUG 2006 HIGHEST RN 904961-01-9
DICTIONARY FILE UPDATES: 28 AUG 2006 HIGHEST RN 904961-01-9

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<http://www.cas.org/ONLINE/UG/regprops.html>

=> e probucol/cn

E1	1	PROBRIMIDE 200/CN
E2	1	PROBROMIDE 286/CN
E3	1 -->	PROBUCOL/CN
E4	1	PROBUCOL DISUCCINATE/CN
E5	1	PROBUCOL MONOSUCCINATE/CN
E6	1	PROBUCOL SPIROQUINONE/CN
E7	1	PROBURSIN TETRADECAPEPTIDE/CN
E8	1	PROBUTYL DB 10/CN
E9	1	PROBUTYLIN/CN
E10	1	PROC (METHANOSPHERA STADTMANAE STRAIN DSM 3091 GENE PROC)/C N
E11	1	PROC (MYCOBACTERIUM AVIUM PARATUBERCULOSIS STRAIN K-10 GENE PROC)/CN
E12	1	PROC (PASTURELLA MULTOCIDA STRAIN IL1403 CLONE PM70 GENE PR OC)/CN

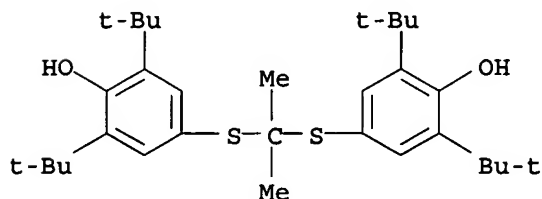
=> e3

L1 1 PROBUCOL/CN

=> d l1

L1 ANSWER 1 OF 1 REGISTRY COPYRIGHT 2006 ACS on STN
RN 23288-49-5 REGISTRY
ED Entered STN: 16 Nov 1984
CN Phenol, 4,4'-[(1-methylethylidene)bis(thio)]bis[2,6-bis(1,1-dimethylethyl)-
(9CI) (CA INDEX NAME)
OTHER CA INDEX NAMES:
CN Acetone, bis(3,5-di-tert-butyl-4-hydroxyphenyl) mercaptole (8CI)
CN Phenol, 4,4'-(isopropylidenedithio)bis[2,6-di-tert-butyl- (8CI)
OTHER NAMES:
CN 4,4'-(Isopropylidenedithio)bis[2,6-di-tert-butylphenol]
CN Biphenabid
CN Bisbid
CN Bisphenabid
CN DH 581
CN Lipomal
CN Lorelco
CN Lurselle
CN NSC 652160
CN NSC 86225

CN Panavir
 CN Phenbutol
 CN Probucol
 CN Sinlestal
 FS 3D CONCORD
 MF C31 H48 O2 S2
 CI COM
 LC STN Files: ADISINSIGHT, ADISNEWS, AGRICOLA, ANABSTR, BEILSTEIN*, BIOSIS, BIOTECHNO, CA, CABA, CAPLUS, CASREACT, CBNB, CHEMCATS, CHEMLIST, CIN, CSCHEM, DDFU, DRUGU, EMBASE, IFICDB, IFIPAT, IFIUDB, IMSDRUGNEWS, IMSPATENTS, IMSRESEARCH, IPA, MEDLINE, MRCK*, PHAR, PROMT, PROUSDDR, PS, RTECS*, SCISEARCH, SYNTHLINE, TOXCENTER, USAN, USPAT2, USPATFULL
 (*File contains numerically searchable property data)
 Other Sources: EINECS**, WHO
 (**Enter CHEMLIST File for up-to-date regulatory information)



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1196 REFERENCES IN FILE CA (1907 TO DATE)
 27 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
 1198 REFERENCES IN FILE CAPLUS (1907 TO DATE)

=> e5

L2 1 "PROBUCOL MONOSUCCINATE"/CN

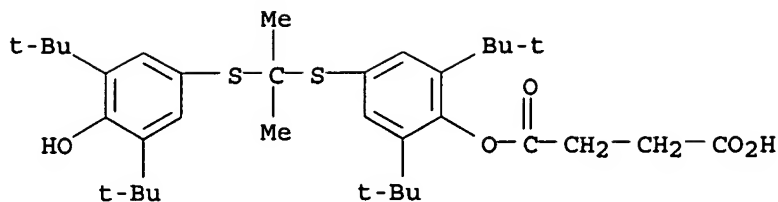
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L2 ANSWER 1 OF 1 REGISTRY COPYRIGHT 2006 ACS on STN
 RN 216167-82-7 REGISTRY
 ED Entered STN: 29 Dec 1998
 CN Butanedioic acid, mono[4-[[1-[[3,5-bis(1,1-dimethylethyl)-4-hydroxyphenyl]thio]-1-methylethyl]thio]-2,6-bis(1,1-dimethylethyl)phenyl] ester (9CI) (CA INDEX NAME)

OTHER NAMES:

CN AGI 1067
 CN Probucol monosuccinate
 CN Succinobucol
 FS 3D CONCORD
 MF C35 H52 O5 S2
 CI COM
 SR CA

LC STN Files: ADISINSIGHT, BIOSIS, CA, CAPLUS, CASREACT, EMBASE, IMSDRUGNEWS, IMSPATENTS, IMSRESEARCH, IPA, MEDLINE, PROUSDDR, SYNTHLINE, TOXCENTER, USPAT2, USPATFULL



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

32 REFERENCES IN FILE CA (1907 TO DATE)
 1 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
 32 REFERENCES IN FILE CAPLUS (1907 TO DATE)

=> file caplus

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

14.64

14.85

FILE 'CAPLUS' ENTERED AT 14:08:13 ON 29 AUG 2006

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FILE COVERS 1907 - 29 Aug 2006 VOL 145 ISS 10

FILE LAST UPDATED: 28 Aug 2006 (20060828/ED)

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=> d his

(FILE 'HOME' ENTERED AT 14:06:24 ON 29 AUG 2006)

FILE 'REGISTRY' ENTERED AT 14:06:39 ON 29 AUG 2006

E PROBUCOL/CN

L1 1 E3

L2 1 E5

FILE 'CAPLUS' ENTERED AT 14:08:13 ON 29 AUG 2006

=> l1

L3 1198 L1

=> save temp l3 probucols/a

ANSWER SET L3 HAS BEEN SAVED AS 'PROBUCOLS/A'

=> l2

L4 32 L2

=> save temp l4 probucsucc/a
ANSWER SET L4 HAS BEEN SAVED AS 'PROBUCCSUCC/A'

=> l2/prep

32 L2
3518443 PREP/RL
L5 7 L2/PREP
(L2 (L) PREP/RL)

=> base
ENTER A FILE NAME OR (HOME):end

=> search base
676150 BASE
153063 BASES
L6 769298 BASE
(BASE OR BASES)

=> l5 and l6
L7 0 L5 AND L6

=> d l5 1-7 ti

L5 ANSWER 1 OF 7 CAPLUS COPYRIGHT 2006 ACS on STN
TI Process for preparing esters of probucol and derivatives thereof using
acid anhydrides in the presence of DBU or DBN.

L5 ANSWER 2 OF 7 CAPLUS COPYRIGHT 2006 ACS on STN
TI Process for preparation of probucol derivatives

L5 ANSWER 3 OF 7 CAPLUS COPYRIGHT 2006 ACS on STN
TI Process of preparing esters and ethers of probucol and derivatives thereof

L5 ANSWER 4 OF 7 CAPLUS COPYRIGHT 2006 ACS on STN
TI Methods of reversing and preventing cardiovascular pathologies

L5 ANSWER 5 OF 7 CAPLUS COPYRIGHT 2006 ACS on STN
TI Probucol monoesters for increasing levels and improving functionality of
plasma HDL cholesterol

L5 ANSWER 6 OF 7 CAPLUS COPYRIGHT 2006 ACS on STN
TI Process for preparing water-soluble probucol acyl esters for use as food
antioxidants

L5 ANSWER 7 OF 7 CAPLUS COPYRIGHT 2006 ACS on STN
TI Preparation of phenolic compounds for the inhibition of the expression of
VCAM-1

=> d l5 1-7 ti fbib abs

L5 ANSWER 1 OF 7 CAPLUS COPYRIGHT 2006 ACS on STN
TI Process for preparing esters of probucol and derivatives thereof using
acid anhydrides in the presence of DBU or DBN.

AN 2005:1170583 CAPLUS
DN 143:440071

TI Process for preparing esters of probucol and derivatives thereof using
acid anhydrides in the presence of DBU or DBN.

IN Weingarten, David M.
PA Atherogenics, Inc., USA
SO PCT Int. Appl., 68 pp.
CODEN: PIXXD2
DT Patent

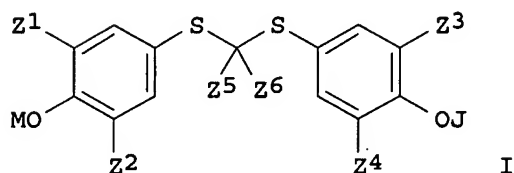
LA English

FAN.CNT 1

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PI	WO 2005102323	A2	20051103	WO 2005-US13394	20050420
	WO 2005102323	A3	20051215		
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	RW:	BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG			
	US 2005267187	A1	20051201	US 2004-564267P	P 20040420
				US 2005-111194	20050420
				US 2004-564267P	P 20040420

OS MARPAT 143:440071

GI



AB Title compds. [I; Z1-Z4 = H, (substituted) alkyl; Z5, Z6 = (substituted) alkyl, alkenyl, aryl; Z5Z6 = atoms to form a carbocyclic ring; M = H, (substituted) (unsatd.) acyl; J = (substituted) (unsatd.) acyl], were prepared by reaction of I (M, J = H; other variables as above) with (substituted) (unsatd.) acyl halides, carboxylic acid anhydrides, or carboxylic acid esters in the presence of R1R3NCY(:NR4) (Y = R2, NR2R5; R1-R5 = (substituted) alkyl, alkenyl; R1R2, R3R4 = atoms to form rings). Thus, probucol, succinic anhydride, and DBU were stirred in MeCN at 50° for 1 h to give a mixture comprising probucol monosuccinate 49 weight%, probucol disuccinate 18 weight%, and probucol 33 weight%.

L5 ANSWER 2 OF 7 CAPLUS COPYRIGHT 2006 ACS on STN

TI Process for preparation of probucol derivatives

AN 2005:1103383 CAPLUS

DN 143:392944

TI Process for preparation of probucol derivatives

IN Jass, Paul Alan; Douglas, Jason Scott

PA USA

SO U.S. Pat. Appl. Publ., 5 pp.

CODEN: USXXCO

DT Patent

LA English

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	US 2005228192	A1	20051013	US 2004-821426	20040409
	WO 2005102985	A1	20051103	WO 2004-US21336	20040702
	W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI,			

NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY,
 TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW,
 RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM,
 AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK,
 EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE,
 SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE,
 SN, TD, TG

US 2004-821426 A 20040409

OS MARPAT 143:392944

AB A method is described for the preparation of polymorphic forms of water-soluble derivs. of probucol compds. (Markush structure is given). Probucol was reacted with succinic anhydride to obtain mono-, and di-succinylated probucol derivs. which were separated and purified.

L5 ANSWER 3 OF 7 CAPLUS COPYRIGHT 2006 ACS on STN

TI Process of preparing esters and ethers of probucol and derivatives thereof

AN 2004:610066 CAPLUS

DN 141:156929

TI Process of preparing esters and ethers of probucol and derivatives thereof

IN Weingarten, M. David; Sikorski, James A.

PA Atherogenics, Inc., USA

SO PCT Int. Appl., 136 pp.

CODEN: PIXXD2

DT Patent

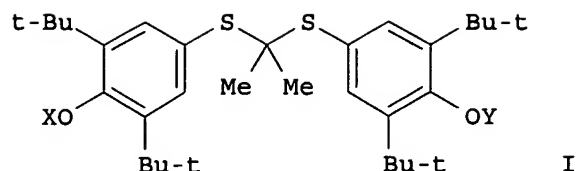
LA English

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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	AU 2004204824	A1	20040729	US 2003-439665P	P 20030113
				AU 2004-204824	20040113
				US 2003-439665P	P 20030113
				WO 2004-US805	W 20040113
	CA 2512980	AA	20040729	CA 2004-2512980	20040113
				US 2003-439665P	P 20030113
				WO 2004-US805	W 20040113
	US 2004204485	A1	20041014	US 2004-757664	20040113
				US 2003-439665P	P 20030113
	EP 1594824	A2	20051116	EP 2004-701812	20040113
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				US 2003-439665P	P 20030113
				WO 2004-US805	W 20040113
	BR 2004006738	A	20051220	BR 2004-6738	20040113
				US 2003-439665P	P 20030113
				WO 2004-US805	W 20040113
	CN 1759084	A	20060412	CN 2004-80006265	20040113
				US 2003-439665P	P 20030113
	JP 2006516569	T2	20060706	JP 2006-500935	20040113
				US 2003-439665P	P 20030113
				WO 2004-US805	W 20040113

OS MARPAT 141:156929

GI



AB ProbucoI or a probucoI derivative can be efficiently converted to a monoester or monoether of probucoI (I) [wherein R1-R4 = H, (un)substituted alkyl; R5, R6 = each (un)substituted alkyl, alkenyl, or aryl; or R5 and R6 can come together to form a carbocyclic ring; X, Y = H, optionally substituted (un)saturated acyl having from 1 to 18 carbon atoms each optionally containing

a polar or charged functionality] by reacting the free hydroxyl-containing probucoI or a derivative thereof (by which is meant a probucoI compound with at least one substituent that is different from that on the parent probucoI mol. but which maintains the two free hydroxyl groups), i.e., I (X = Y = H; R1-R6 = same as above), with a Grignard reagent or a lithium reagent that produces a magnesium bromide or lithium salt of probucoI or the probucoI derivative. The probucoI compound anion is then reacted with an ester or ether forming compound. Thus, in a dry 25 mL 3-neck round bottom flask fitted with a reflux condenser, nitrogen inlet, thermocouple and stir bar was charged probucoI (0.25 g, 0.48 mmol) followed by 2.5 mL anhydrous toluene and then isopropylmagnesium chloride (0.51 mL, 2.0 M in THF) in 1 portion. The reaction was brought to room temperature and then succinic anhydride (0.25 g, 2.5 mmol) was added in 1 portion. After aging for 45 min, the reaction was slowly quenched with 1 N HCl and diluted with EtOAc. The biphasic reaction was then cooled to room temperature and the phases were separated to

give

an organic layer containing 60% probucoI monosuccinate, 13% probucoI disuccinate, and 27% probucoI according to HPLC anal.

L5 ANSWER 4 OF 7 CAPLUS COPYRIGHT 2006 ACS on STN

TI Methods of reversing and preventing cardiovascular pathologies

AN 2003:376540 CAPLUS

DN 138:362685

TI Methods of reversing and preventing cardiovascular pathologies

IN Glass, Mitchell; Tardif, Jean-Claude

PA Atherogenics, Inc., USA

SO PCT Int. Appl., 64 pp.

CODEN: PIXXD2

DT Patent

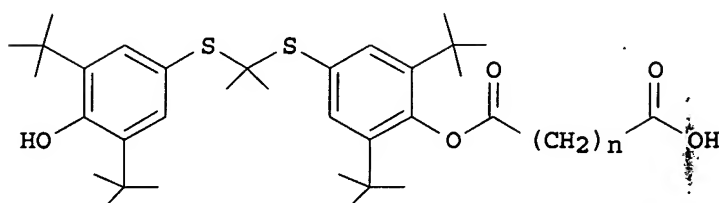
LA English

FAN.CNT 1

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	WO 2003039352	A3	20031023		
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	CA 2466081	AA	20030515	US 2001-347778P	P 20011109
				CA 2002-2466081	20021112
				US 2001-347778P	P 20011109

US 2003181520	A1	20030925	WO 2002-US37274	W	20021112
			US 2002-293399		20021112
EP 1451138	A2	20040901	US 2001-347778P	P	20011109
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CN 1612855	A	20050504	WO 2002-US37274	W	20021112
			CN 2002-826999		20021112
JP 2006506314	T2	20060223	US 2001-347778P	P	20011109
			JP 2003-541450		20021112
			US 2001-347778P	P	20011109
			WO 2002-US37274	W	20021112

OS MARPAT 138:362685
GI



I

AB The present invention is a method to increase the lumen diameter of a coronary blood vessel, that includes administering a lumen increasing amount of a compound of the formula I wherein x is defined as an integer between 1 and 4; or a pharmaceutically acceptable salt, ester or prodrug thereof.

L5 ANSWER 5 OF 7 CAPLUS COPYRIGHT 2006 ACS on STN
TI Probucol monoesters for increasing levels and improving functionality of plasma HDL cholesterol
AN 2002:849415 CAPLUS
DN 137:333157
TI Probucol monoesters for increasing levels and improving functionality of plasma HDL cholesterol
IN Luchoomun, Jayraz; Saxena, Uday; Sundell, Cynthia L.; Sikorski, James A.
PA Atherogenics, Inc., USA
SO PCT Int. Appl., 161 pp.
CODEN: PIXXD2
DT Patent
LA English

FAN.CNT 1

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	WO 2002087556	C2	20030320		
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			US 2001-345025P	P	20011109
			WO 2002-US12678	W	20020411
JP 2005508850	T2	20050407	JP 2002-584902		20020411
			US 2001-283376P	P	20010411
			US 2001-345025P	P	20011109
			WO 2002-US12678	W	20020411
US 2005065121	A1	20050324	US 2004-977752		20041029
			US 2001-283376P	P	20010411
			US 2001-345025P	P	20011109
			US 2002-122516	A1	20020411

OS MARPAT 137:333157

AB It has been discovered that certain selected probucol monoesters, and their pharmaceutically acceptable salts or prodrugs, are useful for increasing circulating HDL cholesterol. These compds. may also improve HDL functionality by (a) increasing clearance of cholesteryl esters, (b) increasing HDL-particle affinity for hepatic cell surface receptors, or (c) increasing the half-life of apoAI-HDL. The pharmaceutical compns. comprise probucol monoesters alone or in combination with other agents, e.g., statins, IBAT inhibitors, MTP inhibitors, cholesterol absorption inhibitors, phytosterols, CETP inhibitors, fibric acid derivs., and antihypertensive agents. For example, mono[4-[[1-[[3,5-bis(1,1-dimethylethyl)-4-hydroxyphenyl]thio]-1-methylethyl]thio]-2,6-bis(1,1-dimethylethyl)phenyl]ester of pentanedioic acid, prepared from probucol and glutaric anhydride, elevated HDLc in hyperlipidemic hamster by 22% (average of 3 expts., range 5-44%), compared to untreated controls after 2 wk treatment at a dose of 150 mg/kg/day. LDLc was reduced by 29% on average, VLDL cholesterol by 42%, and triglycerides by 24%, compared to controls. The compound was well tolerated and all animals gained weight

L5 ANSWER 6 OF 7 CAPLUS COPYRIGHT 2006 ACS on STN

TI Process for preparing water-soluble probucol acyl esters for use as food antioxidants

AN 2001:863541 CAPLUS

DN 135:371524

TI Process for preparing water-soluble probucol acyl esters for use as food antioxidants

IN Jass, Paul Alan

PA Salsbury Chemicals, Inc., USA

SO U.S., 5 pp.

CODEN: USXXAM

DT Patent

LA English

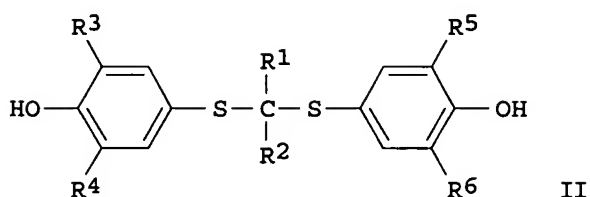
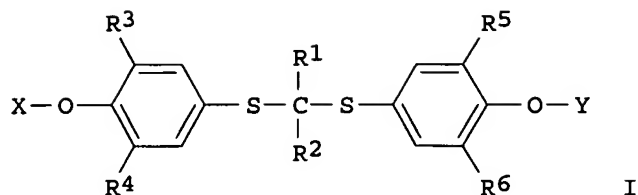
FAN.CNT 1

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PI	US 6323359	B1	20011127	US 2000-562657	20000502
				US 2000-562657	20000502

OS CASREACT 135:371524; MARPAT 135:371524

GI

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CA 2289851	AA	19981119	US 1997-47020P	P	19970514
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			WO 1998-US9781	W	19980514
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AU 9874851	A1	19981208	AU 1998-74851		19980514
AU 750041	B2	20020711			
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			WO 1998-US9781	W	19980514
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EP 994853	A2	20000426	EP 1998-922264		19980514
EP 994853	B1	20050427			
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			WO 1998-US9781	W	19980514
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US 6121319	A	20000919	US 1998-78935		19980514
			US 1997-47020P	P	19970514
BR 9809819	A	20010918	BR 1998-9819		19980514
			US 1997-47020P	P	19970514
			WO 1998-US9781	W	19980514
JP 2002503227	T2	20020129	JP 1998-549502		19980514
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CN 1496740	A	20040519	CN 2003-2003153067		19980514
			US 1997-47020P	P	19970514
EP 1464639	A1	20041006	EP 2004-75141		19980514
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			EP 1998-922264	A3	19980514
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			IL 1998-132797	A3	19980514
			WO 1998-US9781	W	19980514
AT 294158	E	20050515	AT 1998-922264		19980514
			US 1997-47020P	P	19970514
			WO 1998-US9781	W	19980514
IL 157078	A1	20050517	IL 1998-157078		19980514
			US 1997-47020P	P	19970514
			IL 1998-132797	A3	19980514
			WO 1998-US9781	W	19980514
NZ 528906	A	20050624	NZ 1998-528906		19980514
			US 1997-47020P	P	19970514
ES 2241139	T3	20051016	ES 1998-922264		19980514
			US 1997-47020P	P	19970514
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			US 1997-47020P	P	19970514
			EP 1998-923411	A3	19980514
ES 2248901	T3	20060316	ES 1998-923411		19980514
			US 1997-47020P	P	19970514



AB Water-soluble derivs. of probucol compds. [I; R1, R2 = alkyl, alkenyl, aryl; R3-R6 = C1-4 alkyl; X, Y = H, (un)saturated (un)substituted C1-8 acyl] (e.g., probucol mono- and disuccinate), useful as food antioxidants, are prepared by the reaction of a solution of a probucol compound (II) with an alkali metal hydroxide, alkali metal alkoxide (e.g., potassium tert-butoxide), alkylammonium alkoxide, alkylammonium hydroxide and mixts. forming an ammonium or an alkali metal salt of the probucol compound and reacting the salt with a carboxylic acid anhydride selected from succinic anhydride, glutaric anhydride, adipic anhydride, suberic anhydride, sebacic anhydride, azelaic anhydride, phthalic anhydride, and maleic anhydride.

RE.CNT 4 THERE ARE 4 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L5 ANSWER 7 OF 7 CAPLUS COPYRIGHT 2006 ACS on STN
 TI Preparation of phenolic compounds for the inhibition of the expression of VCAM-1
 AN 1998:761875 CAPLUS
 DN 130:13646
 TI Preparation of phenolic compounds for the inhibition of the expression of VCAM-1
 IN Medford, Russell M.; Somers, Patricia K.; Hoong, Lee K.; Meng, Charles Q.
 PA Atherogenics, Inc., USA
 SO PCT Int. Appl., 109 pp.
 CODEN: PIXXD2
 DT Patent
 LA English
 FAN.CNT 4

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 9851662	A2	19981119	WO 1998-US9781	19980514
	WO 9851662	A3	20000302		
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NO 9905544	A	20000110	NO 1999-5544	19991112
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MX 9910402	A	20000630	MX 1999-10402	19991112
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			WO 1998-US9781	W 19980514
HK 1025947	A1	20050617	HK 2000-105042	20000814
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			WO 1998-US9781	A 19980514
NO 2003002254	A	20000110	NO 2003-2254	20030519
			US 1997-47020P	P 19970514
			WO 1998-US9781	W 19980514
US 2005090487	A1	20050428	US 2003-647766	20030825
			US 1997-47020P	P 19970514
			US 1998-79213	A1 19980514
			US 1999-370046	A1 19990806
			US 2002-60734	A1 20020130
AU 2006202461	A1	20060629	AU 2006-202461	20060609
			US 1997-47020P	P 19970514
			AU 2002-300328	A3 20020730

PATENT FAMILY INFORMATION:

FAN 1998:761806

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 9851289	A2	19981119	WO 1998-US9773	19980514
	WO 9851289	A3	19990514		
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	AU 9875711	A1	19981208	AU 1998-75711	19980514
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				US 1997-47020P	P 19970514
				WO 1998-US9773	W 19980514
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				US 1997-47020P	P 19970514
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EP 1464639	A1	20041006	EP 2004-75141		19980514
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			WO 1998-US9773	W	19980514
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			WO 1998-US9773	A	19980514
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FAN 2001:713364

PATENT NO.

KIND

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PI

WO 2001070757

A2

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WO 2001-US9049

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FAN 2002:814837

PATENT NO.

KIND

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APPLICATION NO.

DATE

PI

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20021024

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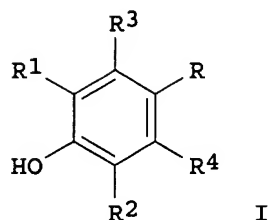
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A1

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			US 1998-79213	A1 19980514
			US 1999-370046	A2 19990806
			US 2000-191046P	P 20000321
			US 2001-815262	A2 20010321
			US 2001-36307	A1 20011025
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			US 2000-191046P	P 20000321
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			US 1997-47020P	P 19970514
			US 1998-79213	A1 19980514
			US 1999-370046	A2 19990806
			US 2000-191046P	P 20000321
			US 2001-815262	A2 20010321
			US 2001-36307	A1 20011025
			US 2003-744763	A1 20031223
AU 2006202461	A1	20060629	AU 2006-202461	20060609
			US 1997-47020P	P 19970514
			AU 2002-300328	A3 20020730

OS MARPAT 130:13646
GI



AB Title compds. [e.g., I; R = Z1Z2R5; R1,R2 = (un)substituted (cyclo)alkyl, -(hetero)aryl, etc.; R3,R4 = any group that does not otherwise adversely affect (sic) the desired properties of the mol. including H, halogen, or R1 (sic); R5 = (di)(alkyl)amino, alkyl, alkoxy(carbonyl), (hetero)aryl, etc.; Z1 = O SOO-2, NH, CH2; Z2 = bond, alkylene(oxy) aryleneoxy, etc.] were prepared. Thus, 4-(BrCH2)C6H4CH2CO2H was thioetherified by 4-mercapto-2,6-di-tert-butylphenol to give I [R = SCH2C6H4(CH2CO2H)-4, R1 = R2 = CMe3, R3 = R4 = H]. Data for biol. activity of I were given.

=> phenol

243606 PHENOL
116016 PHENOLS

L8 302679 PHENOL
(PHENOL OR PHENOLS)

=> bisphenolo

0 BISPHELOLO
L9 0 BISPHELOLO

=> bisphenol

71469 BISPHELOLO
4778 BISPHELOLS
L10 72881 BISPHELOLO
(BISPHELOLO OR BISPHELOLS)

=> grignard

43179 GRIGNARD

638 GRIGNARDS

L11 43342 GRIGNARD

(GRIGNARD OR GRIGNARDS)

=> l10 and l11

L12 32 L10 AND L11

=> l10(l)l11

L13 13 L10(L)L11

=> d l13 1-13 ti

L13 ANSWER 1 OF 13 CAPLUS COPYRIGHT 2006 ACS on STN

TI Advances in nanocontact molding for the patterning of polythiophene

L13 ANSWER 2 OF 13 CAPLUS COPYRIGHT 2006 ACS on STN

TI Manufacture of a N-heterocyclic-substituted poly(aryl ether sulfone)

L13 ANSWER 3 OF 13 CAPLUS COPYRIGHT 2006 ACS on STN

TI Manufacture of functionalized polyaryl ether sulfones via bromination

L13 ANSWER 4 OF 13 CAPLUS COPYRIGHT 2006 ACS on STN

TI Dialkyl titanium complexes that contain a sulfur-linked bis(phenolato) ligand: the structure of an olefin polymerization catalyst precursor

L13 ANSWER 5 OF 13 CAPLUS COPYRIGHT 2006 ACS on STN

TI New bisphenols with silylene fragments: synthesis and spectra

L13 ANSWER 6 OF 13 CAPLUS COPYRIGHT 2006 ACS on STN

TI Photochromic heterocyclic fused indenonaphthopyrans

L13 ANSWER 7 OF 13 CAPLUS COPYRIGHT 2006 ACS on STN

TI Knots for Molecular Strings of Beads

L13 ANSWER 8 OF 13 CAPLUS COPYRIGHT 2006 ACS on STN

TI Thermal printing materials

L13 ANSWER 9 OF 13 CAPLUS COPYRIGHT 2006 ACS on STN

TI 3,3-Bis(2,2-diphenylvinyl)phthalides as leuco dyes and recording materials containing them

L13 ANSWER 10 OF 13 CAPLUS COPYRIGHT 2006 ACS on STN

TI Catalysts for manufacture of olefin random copolymers

L13 ANSWER 11 OF 13 CAPLUS COPYRIGHT 2006 ACS on STN

TI Recording material

L13 ANSWER 12 OF 13 CAPLUS COPYRIGHT 2006 ACS on STN

TI Products of the thermal degradation of the adduct of bisphenol A diglycidyl ether and p,p'-diaminodiphenylmethane

L13 ANSWER 13 OF 13 CAPLUS COPYRIGHT 2006 ACS on STN

TI Linear polycondensates of triazine monomers

=> monosub?

L14 10656 MONOSUB?

=> l10 and l14

L15 20 L10 AND L14

=> l12 and l15

L16 0 L12 AND L15

=> d l15 10-20 ti

L15 ANSWER 10 OF 20 CAPLUS COPYRIGHT 2006 ACS on STN
TI Thermotropic liquid-crystalline aromatic polyesters

L15 ANSWER 11 OF 20 CAPLUS COPYRIGHT 2006 ACS on STN
TI A comparison of spin relaxation and local motion between symmetrically and asymmetrically ring-substituted bisphenol units in dissolved polycarbonates

L15 ANSWER 12 OF 20 CAPLUS COPYRIGHT 2006 ACS on STN
TI Poly(2-aminoalkyl)polyamines

L15 ANSWER 13 OF 20 CAPLUS COPYRIGHT 2006 ACS on STN
TI Correlation analysis of polycondensation processes

L15 ANSWER 14 OF 20 CAPLUS COPYRIGHT 2006 ACS on STN
TI Oxidation of bisphenols. II. Some compounds related to galvinoxyl

L15 ANSWER 15 OF 20 CAPLUS COPYRIGHT 2006 ACS on STN
TI Synthesis of mixed phosphites and study of their inhibiting action against the oxidative thermal aging of low-density polyethylene

L15 ANSWER 16 OF 20 CAPLUS COPYRIGHT 2006 ACS on STN
TI Synthesis and study of sterically hindered bisphenols as light stabilizers of polyethylene

L15 ANSWER 17 OF 20 CAPLUS COPYRIGHT 2006 ACS on STN
TI Carboxy copolymers prepared in 1,2-epoxy compounds

L15 ANSWER 18 OF 20 CAPLUS COPYRIGHT 2006 ACS on STN
TI Lubricating oil compositions

L15 ANSWER 19 OF 20 CAPLUS COPYRIGHT 2006 ACS on STN
TI Stabilizing agents to inhibit the degradation of poly- α -olefins by light and heat

L15 ANSWER 20 OF 20 CAPLUS COPYRIGHT 2006 ACS on STN
TI Derivatives of triphenylphosphine and triphenylphosphine oxide

=> d l15 16 ti fbib abs

L15 ANSWER 16 OF 20 CAPLUS COPYRIGHT 2006 ACS on STN
TI Synthesis and study of sterically hindered bisphenols as light stabilizers of polyethylene

AN 1978:510890 CAPLUS

DN 89:110890

TI Synthesis and study of sterically hindered bisphenols as light stabilizers of polyethylene

AU Naumova, S. F.; Balykina, M. V.; Akulich, Z. I.; Velikanova, L. V.; Bolbotunova, T. N.

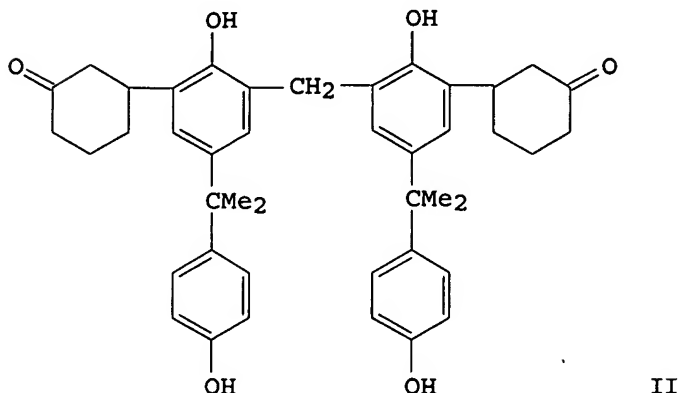
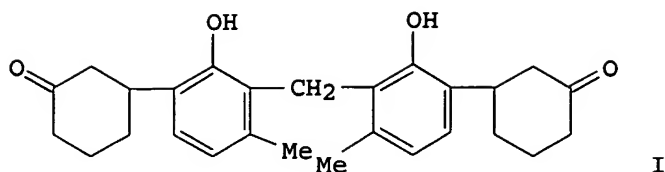
CS Inst. Fiz.-Org. Khim., Minsk, USSR

SO Doklady Akademii Nauk BSSR (1978), 22(5), 437-9
CODEN: DBLRAC; ISSN: 0002-354X

DT Journal

LA Russian

GI



AB The title bisphenols I [67013-77-8] and II [67066-61-9] were prepared by alkylation with 2-cyclohexen-1-one [930-68-7] of m-cresol [108-39-4] and 2,2-bis(4-hydroxyphenyl)propane [80-05-7], resp., and condensation of the resulting monosubstituted products with HCHO [50-00-0]. Tests in low-d. polyethylene [9002-88-4] indicated that I and II were as effective light stabilizers as Benzon OA (2-hydroxy-4-alkoxybenzophenone). I and II, by being solid (m.p. 50-5 and 65-70°, resp.), offered advantages over liquid Benzon OA.

=> d his

(FILE 'HOME' ENTERED AT 14:06:24 ON 29 AUG 2006)

FILE 'REGISTRY' ENTERED AT 14:06:39 ON 29 AUG 2006

E PROBUCOL/CN

L1 1 E3

L2 1 E5

FILE 'CAPLUS' ENTERED AT 14:08:13 ON 29 AUG 2006

L3 1198 L1

SAVE TEMP L3 PROBUCOLS/A

L4 32 L2

SAVE TEMP L4 PROBUCCSUCC/A

L5 7 L2/PREP

L6 769298 SEARCH BASE

L7 0 L5 AND L6

L8 302679 PHENOL

L9 0 BISPHENOLO

L10 72881 BISPHENOLO

L11 43342 GRIGNARD

L12 32 L10 AND L11

L13 13 L10(L)L11

L14 10656 MONOSUB?

L15 20 L10 AND L14

L16 0 L12 AND L15

=> save temp all mysrch/l

L# LIST L1-L16 HAS BEEN SAVED AS 'MYSRCH/L'

=> 13 and l11

L17 1 L3 AND L11

=> d 117

L17 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2006 ACS on STN
AN 2004:610066 CAPLUS
DN 141:156929
TI Process of preparing esters and ethers of probucol and derivatives thereof
IN Weingarten, M. David; Sikorski, James A.
PA Atherogenics, Inc., USA
SO PCT Int. Appl., 136 pp.
CODEN: PIXXD2
DT Patent
LA English
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2004062622	A2	20040729	WO 2004-US805	20040113
	WO 2004062622	A3	20041202		
	W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ				
	AU 2004204824	A1	20040729	AU 2004-204824	20040113
	CA 2512980	AA	20040729	CA 2004-2512980	20040113
	US 2004204485	A1	20041014	US 2004-757664	20040113
	EP 1594824	A2	20051116	EP 2004-701812	20040113
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, SK				
	BR 2004006738	A	20051220	BR 2004-6738	20040113
	CN 1759084	A	20060412	CN 2004-80006265	20040113
	JP 2006516569	T2	20060706	JP 2006-500935	20040113
PRAI	US 2003-439665P	P	20030113		
	WO 2004-US805	W	20040113		
OS	MARPAT 141:156929				

=> 18 (1) 111

L18 364 L8 (L) L11

=> butoxide

12148 BUTOXIDE

259 BUTOXIDES

L19 12253 BUTOXIDE

(BUTOXIDE OR BUTOXIDES)

=> 118 (1) 119

L20 0 L18 (L) L19

=> 118 and 119

L21 1 L18 AND L19

=> d 121

L21 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2006 ACS on STN
AN 1979:186581 CAPLUS
DN 90:186581
TI Hydroxyalkyl- and oxoalkyl-substituted phenols
IN Althuis, Thomas Henry; Harbert, Charles Armon; Johnson, Michael Ross; Melvin, Lawrence Sherman, Jr.
PA Pfizer Inc., USA
SO Ger. Offen., 54 pp.
CODEN: GWXXBX
DT Patent
LA German

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	DE 2839884	A1	19790315	DE 1978-2839884	19780913
	DE 2839884	C2	19821125		
	US 4283569	A	19810811	US 1977-832868	19770913
	JP 54048728	A2	19790417	JP 1978-111620	19780911
	JP 56043450	B4	19811013		
	BE 870402	A1	19790312	BE 1978-190417	19780912
	DK 7804011	A	19790314	DK 1978-4011	19780912
	NL 7809270	A	19790315	NL 1978-9270	19780912
	FR 2402640	A1	19790406	FR 1978-26122	19780912
	FR 2402640	B1	19810227		
	GB 2005257	A	19790419	GB 1978-36417	19780912
	GB 2005257	B2	19820526		
	US 4284829	A	19810818	US 1978-972595	19781222
	JP 56045437	A2	19810425	JP 1980-85032	19800623
	JP 59011571	B4	19840316		
	NL 8007036	A	19810331	NL 1980-7036	19801224
PRAI	US 1977-832868	A	19770913		
OS	CASREACT 90:186581				

=>

=> save temp all mysrch/1

'MYSRCH/L' IN USE

A single name cannot be used for two saved items at the same time.

Enter "Y" if you wish to replace the current saved name with a new definition. Enter "N" if the current saved definition must be preserved. You may then reenter the SAVE command with a different saved name. Enter "DISPLAY SAVED" at an arrow prompt (=>) to see a list of your currently defined saved names.

REPLACE OLD DEFINITION? Y/(N):y

L# LIST L1-L21 HAS BEEN SAVED AS 'MYSRCH/L'

=> logoff hold

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

87.16

102.01

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)

SINCE FILE

TOTAL

ENTRY

SESSION

CA SUBSCRIBER PRICE

-6.00

-6.00

SESSION WILL BE HELD FOR 60 MINUTES

STN INTERNATIONAL SESSION SUSPENDED AT 14:47:34 ON 29 AUG 2006

Connecting via Winsock to STN

Welcome to STN International! Enter x:x

LOGINID:SSSPTA1623PAZ

PASSWORD:

TERMINAL (ENTER 1, 2, 3, OR ?):2

* * * * * Welcome to STN International * * * * *

NEWS 1 Web Page URLs for STN Seminar Schedule - N. America
NEWS 2 "Ask CAS" for self-help around the clock
NEWS 3 FEB 27 New STN AnaVist pricing effective March 1, 2006

NEWS 4 APR 04 STN AnaVist \$500 visualization usage credit offered
 NEWS 5 MAY 10 CA/CAPLUS enhanced with 1900-1906 U.S. patent records
 NEWS 6 MAY 11 KOREAPAT updates resume
 NEWS 7 MAY 19 Derwent World Patents Index to be reloaded and enhanced
 NEWS 8 MAY 30 IPC 8 Rolled-up Core codes added to CA/CAPLUS and
 USPTAFULL/USPAT2
 NEWS 9 MAY 30 The F-Term thesaurus is now available in CA/CAPLUS
 NEWS 10 JUN 02 The first reclassification of IPC codes now complete in
 INPADOC
 NEWS 11 JUN 26 TULSA/TULSA2 reloaded and enhanced with new search and
 and display fields
 NEWS 12 JUN 28 Price changes in full-text patent databases EPFULL and PCTFULL
 NEWS 13 JUL 11 CHEMSAFE reloaded and enhanced
 NEWS 14 JUL 14 FSTA enhanced with Japanese patents
 NEWS 15 JUL 19 Coverage of Research Disclosure reinstated in DWPI
 NEWS 16 AUG 09 INSPEC enhanced with 1898-1968 archive
 NEWS 17 AUG 28 ADISCTI Reloaded and Enhanced

NEWS EXPRESS JUNE 30 CURRENT WINDOWS VERSION IS V8.01b, CURRENT
 MACINTOSH VERSION IS V6.0c(ENG) AND V6.0Jc(JP),
 AND CURRENT DISCOVER FILE IS DATED 26 JUNE 2006.

NEWS HOURS STN Operating Hours Plus Help Desk Availability
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 NEWS IPC8 For general information regarding STN implementation of IPC 8
 NEWS X25 X.25 communication option no longer available

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* * * * * STN Columbus * * * * *

FILE 'HOME' ENTERED AT 07:14:09 ON 30 AUG 2006

=> file reg

COST IN U.S. DOLLARS	SINCE FILE	TOTAL
	ENTRY	SESSION
FULL ESTIMATED COST	0.42	0.42

FILE 'REGISTRY' ENTERED AT 07:15:12 ON 30 AUG 2006

USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
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Property values tagged with IC are from the ZIC/VINITI data file
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STRUCTURE FILE UPDATES: 28 AUG 2006 HIGHEST RN 904961-01-9
 DICTIONARY FILE UPDATES: 28 AUG 2006 HIGHEST RN 904961-01-9

New CAS Information Use Policies, enter HELP USAGETERMS for details.

TSCA INFORMATION NOW CURRENT THROUGH June 30, 2006

Please note that search-term pricing does apply when
 conducting SmartSELECT searches.

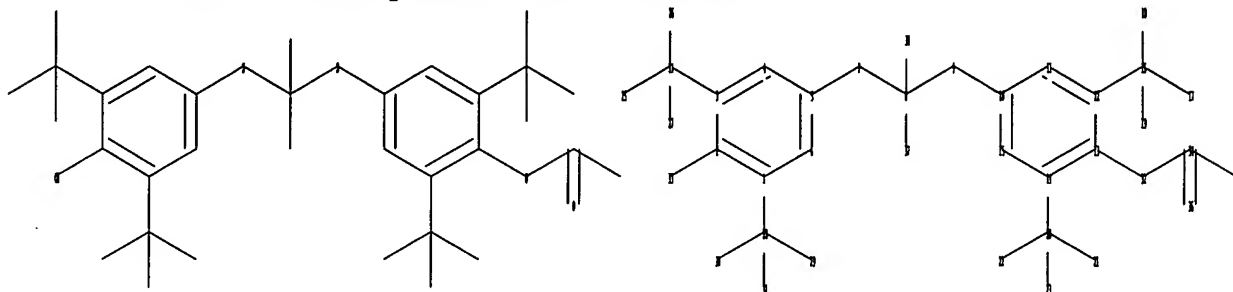
REGISTRY includes numerically searchable data for experimental and
 predicted properties as well as tags indicating availability of

experimental property data in the original document. For information
on property searching in REGISTRY, refer to:

<http://www.cas.org/ONLINE/UG/regprops.html>

=>

Uploading C:\Documents and Settings\PZucker\My Documents\Examination Auxillary
files\10757664\10757664 probucol deriv core.str



chain nodes :

7 8 9 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34
35 36 37 38

ring nodes :

1 2 3 4 5 6 10 11 12 13 14 15

chain bonds :

1-28 2-33 3-24 5-7 7-8 8-9 8-37 8-38 9-10 12-16 13-32 14-20 16-17
16-18 16-19 20-21 20-22 20-23 24-25 24-26 24-27 28-29 28-30 28-31 32-34
34-35 34-36

ring bonds :

1-2 1-6 2-3 3-4 4-5 5-6 10-11 10-15 11-12 12-13 13-14 14-15

exact/norm bonds :

2-33 5-7 7-8 8-9 9-10 13-32 32-34 34-36

exact bonds :

1-28 3-24 8-37 8-38 12-16 14-20 16-17 16-18 16-19 20-21 20-22 20-23
24-25 24-26 24-27 28-29 28-30 28-31 34-35

normalized bonds :

1-2 1-6 2-3 3-4 4-5 5-6 10-11 10-15 11-12 12-13 13-14 14-15

Match level :

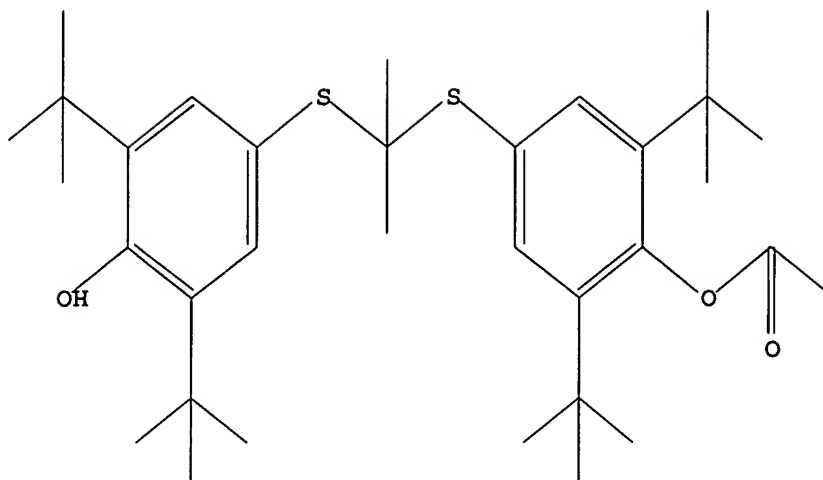
1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:CLASS 8:CLASS 9:CLASS 10:Atom
11:Atom 12:Atom 13:Atom 14:Atom 15:Atom 16:CLASS 17:CLASS 18:CLASS 19:CLASS
20:CLASS 21:CLASS 22:CLASS 23:CLASS 24:CLASS 25:CLASS 26:CLASS 27:CLASS
28:CLASS 29:CLASS 30:CLASS 31:CLASS 32:CLASS 33:CLASS 34:CLASS 35:CLASS
36:CLASS 37:CLASS 38:CLASS

L1 STRUCTURE UPLOADED

=> d l1

L1 HAS NO ANSWERS

L1 STR



Structure attributes must be viewed using STN Express query preparation.

=> serch l1 sss sam

COMBINATION OF STRUCTURE AND TEXT TERMS NOT VALID

The query entered contains both search terms created by structure-building or screen commands and text search terms. L#s created via the STRUCTURE or SCREEN commands must be searched in the structures files separately from text terms or profiles. The L# answer sets from structure searches can be used in crossover searches and can be combined with text terms.

=> search l1 sss sam

SAMPLE SEARCH INITIATED 07:15:47 FILE 'REGISTRY'

SAMPLE SCREEN SEARCH COMPLETED - 15 TO ITERATE

100.0% PROCESSED 15 ITERATIONS

3 ANSWERS

SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE **COMPLETE**

BATCH **COMPLETE**

PROJECTED ITERATIONS: 68 TO 532

PROJECTED ANSWERS: 3 TO 163

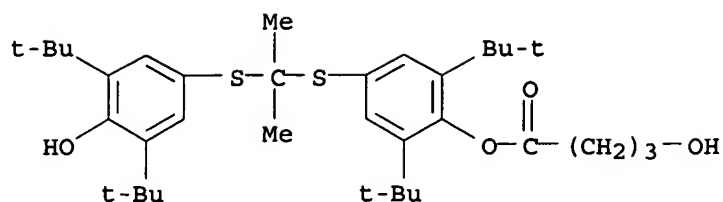
L2 3 SEA SSS SAM L1

=> d scan

L2 3 ANSWERS REGISTRY COPYRIGHT 2006 ACS on STN

IN Butanoic acid, 4-hydroxy-, 4-[[1-[[3,5-bis(1,1-dimethylethyl)-4-hydroxyphenyl]thio]-1-methylethyl]thio]-2,6-bis(1,1-dimethylethyl)phenyl ester (9CI)

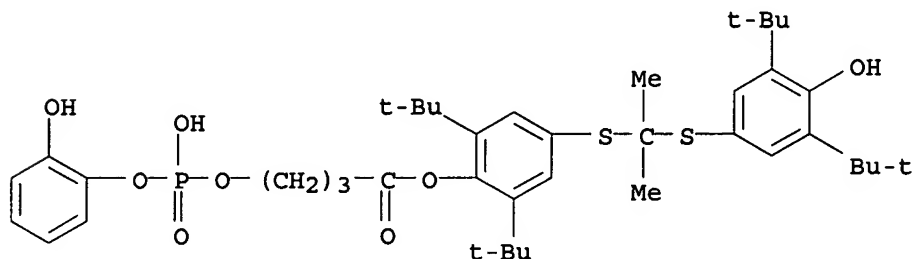
MF C35 H54 O4 S2



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):3

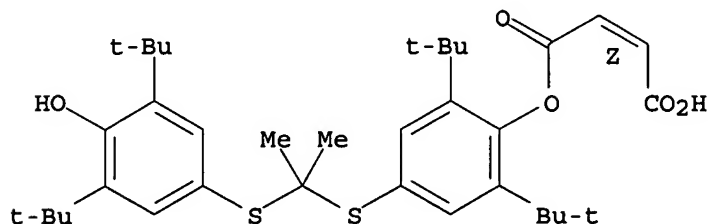
L2 3 ANSWERS REGISTRY COPYRIGHT 2006 ACS on STN
 IN Butanoic acid, 4-[[hydroxy(2-hydroxyphenoxy)phosphinyl]oxy]-, 4-[[1-[[3,5-bis(1,1-dimethylethyl)-4-hydroxyphenyl]thio]-1-methylethyl]thio]-2,6-bis(1,1-dimethylethyl)phenyl ester (9CI)
 MF C41 H59 O8 P S2



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L2 3 ANSWERS REGISTRY COPYRIGHT 2006 ACS on STN
 IN 2-Butenedioic acid (2Z)-, mono[4-[[1-[[3,5-bis(1,1-dimethylethyl)-4-hydroxyphenyl]thio]-1-methylethyl]thio]-2,6-bis(1,1-dimethylethyl)phenyl] ester (9CI)
 MF C35 H50 O5 S2

Double bond geometry as shown.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

ALL ANSWERS HAVE BEEN SCANNED

=> search l1 sss full
 FULL SEARCH INITIATED 07:16:32 FILE 'REGISTRY'

FULL SCREEN SEARCH COMPLETED - 260 TO ITERATE

100.0% PROCESSED 260 ITERATIONS
SEARCH TIME: 00.00.02

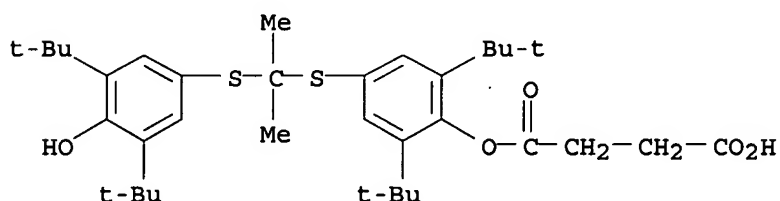
41 ANSWERS

L3 41 SEA SSS FUL L1

=> d scan

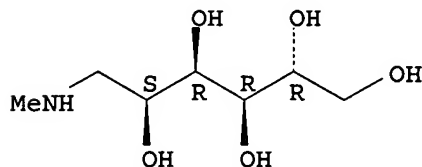
L3 41 ANSWERS REGISTRY COPYRIGHT 2006 ACS on STN
IN D-Glucitol, 1-deoxy-1-(methylamino)-, 4-[[1-[[3,5-bis(1,1-dimethylethyl)-4-hydroxyphenyl]thio]-1-methylethyl]thio]-2,6-bis(1,1-dimethylethyl)phenyl butanedioate (salt) (9CI)
MF C35 H52 O5 S2 . C7 H17 N O5

CM 1



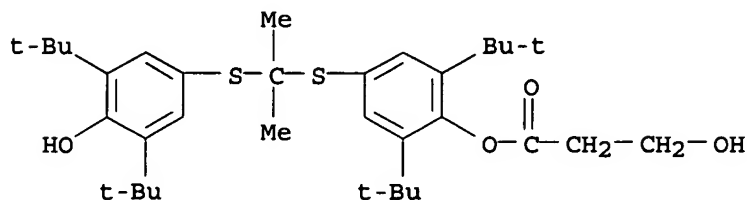
CM 2

Absolute stereochemistry.



HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):41

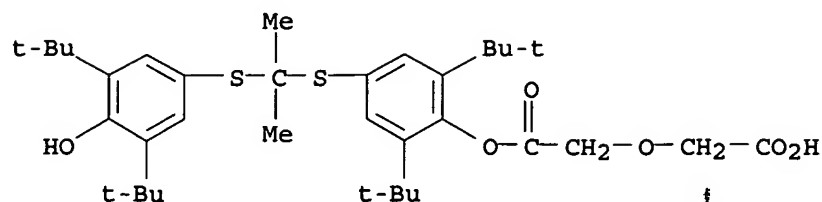
L3 41 ANSWERS REGISTRY COPYRIGHT 2006 ACS on STN
IN Propanoic acid, 3-hydroxy-, 4-[[1-[[3,5-bis(1,1-dimethylethyl)-4-hydroxyphenyl]thio]-1-methylethyl]thio]-2,6-bis(1,1-dimethylethyl)phenyl ester (9CI)
MF C34 H52 O4 S2



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

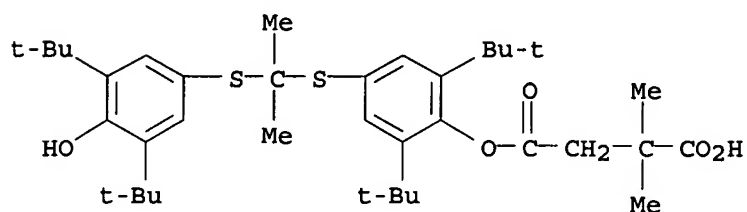
L3 41 ANSWERS REGISTRY COPYRIGHT 2006 ACS on STN
IN Acetic acid, [2-[4-[[1-[[3,5-bis(1,1-dimethylethyl)-4-hydroxyphenyl]thio]-1-methylethyl]thio]-2,6-bis(1,1-dimethylethyl)phenyl]thio]-1-methylethyl]thio]-2,6-bis(1,1-dimethylethyl)phenyl ester (9CI)

1-methylethyl]thio]-2,6-bis(1,1-dimethylethyl)phenoxy]-2-oxoethoxy] - (9CI)
 MF C35 H52 O6 S2



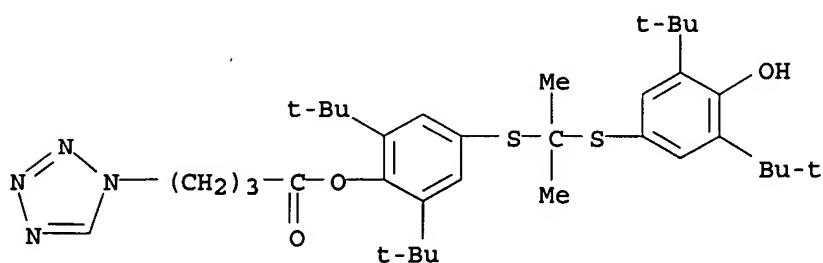
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L3 41 ANSWERS REGISTRY COPYRIGHT 2006 ACS on STN
 IN Butanedioic acid, 2,2-dimethyl-, 4-[4-[[1-[[3,5-bis(1,1-dimethylethyl)-4-hydroxyphenyl]thio]-1-methylethyl]thio]-2,6-bis(1,1-dimethylethyl)phenyl] ester (9CI)
 MF C37 H56 O5 S2



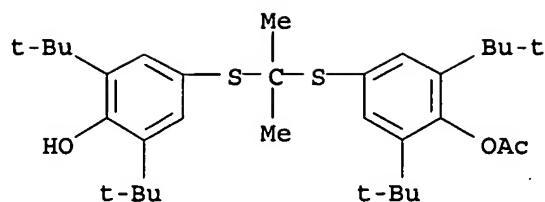
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L3 41 ANSWERS REGISTRY COPYRIGHT 2006 ACS on STN
 IN 1H-Tetrazole-1-butanoic acid, 4-[[1-[[3,5-bis(1,1-dimethylethyl)-4-hydroxyphenyl]thio]-1-methylethyl]thio]-2,6-bis(1,1-dimethylethyl)phenyl ester (9CI)
 MF C36 H54 N4 O3 S2



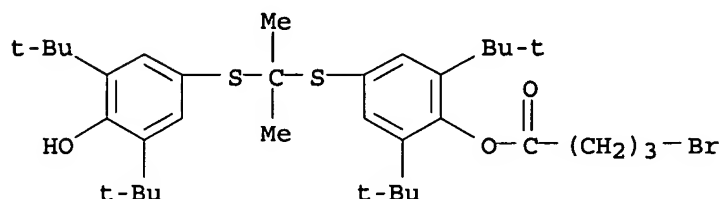
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L3 41 ANSWERS REGISTRY COPYRIGHT 2006 ACS on STN
 IN Phenol, 4-[[1-[[4-(acetyloxy)-3,5-bis(1,1-dimethylethyl)phenyl]thio]-1-methylethyl]thio]-2,6-bis(1,1-dimethylethyl) - (9CI)
 MF C33 H50 O3 S2



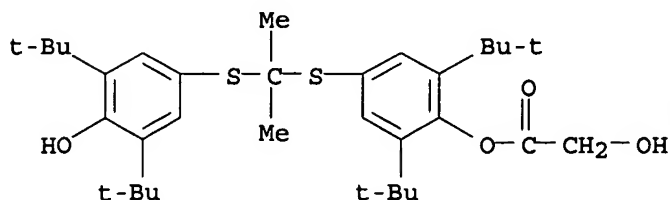
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L3 41 ANSWERS REGISTRY COPYRIGHT 2006 ACS on STN
 IN Butanoic acid, 4-bromo-, 4-[[1-[[3,5-bis(1,1-dimethylethyl)-4-hydroxyphenyl]thio]-1-methylethyl]thio]-2,6-bis(1,1-dimethylethyl)phenyl ester (9CI)
 MF C35 H53 Br O3 S2



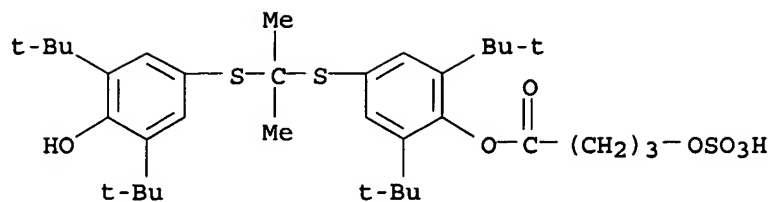
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L3 41 ANSWERS REGISTRY COPYRIGHT 2006 ACS on STN
 IN Acetic acid, hydroxy-, 4-[[1-[[3,5-bis(1,1-dimethylethyl)-4-hydroxyphenyl]thio]-1-methylethyl]thio]-2,6-bis(1,1-dimethylethyl)phenyl ester (9CI)
 MF C33 H50 O4 S2



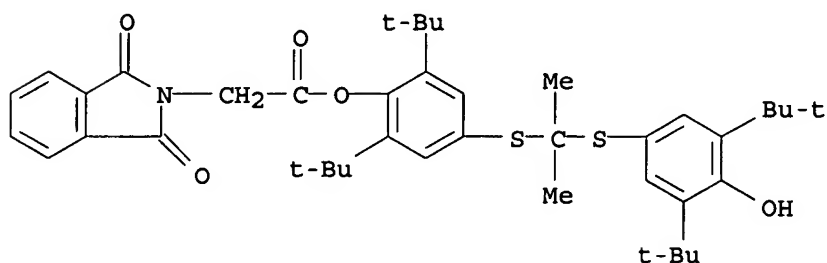
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L3 41 ANSWERS REGISTRY COPYRIGHT 2006 ACS on STN
 IN Butanoic acid, 4-(sulfoxy)-, 1-[4-[[1-[[3,5-bis(1,1-dimethylethyl)-4-hydroxyphenyl]thio]-1-methylethyl]thio]-2,6-bis(1,1-dimethylethyl)phenyl] ester, monosodium salt (9CI)
 MF C35 H54 O7 S3 . Na



● Na

L3 41 ANSWERS REGISTRY COPYRIGHT 2006 ACS on STN
 IN 2H-Isoindole-2-acetic acid, 1,3-dihydro-1,3-dioxo-, 4-[[[1-[[3,5-bis(1,1-dimethylethyl)-4-hydroxyphenyl]thio]-1-methylethyl]thio]-2,6-bis(1,1-dimethylethyl)phenyl ester (9CI)
 MF C41 H53 N O5 S2

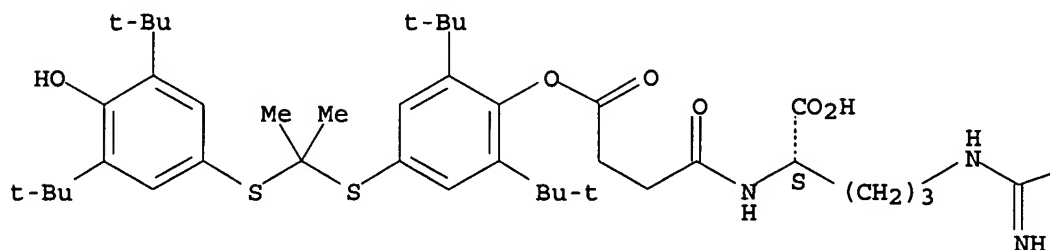


PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L3 41 ANSWERS REGISTRY COPYRIGHT 2006 ACS on STN
 IN L-Arginine, N2-[4-[4-[1-[[3,5-bis(1,1-dimethylethyl)-4-hydroxyphenyl]thio]-1-methylethyl]thio]-2,6-bis(1,1-dimethylethyl)phenoxy]-1,4-dioxobutyl]- (9CI)
 MF C41 H64 N4 O6 S2

Absolute stereochemistry.

PAGE 1-A

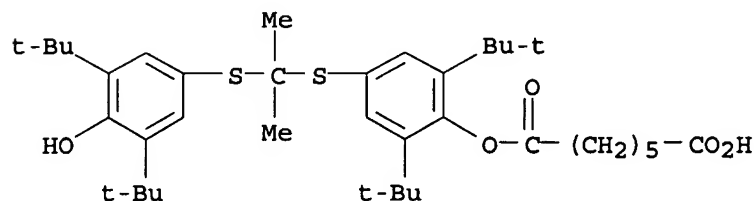


—NH₂

PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

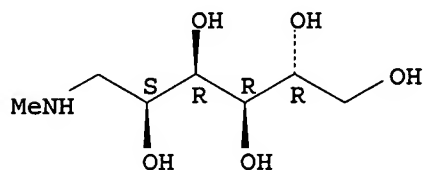
L3 41 ANSWERS REGISTRY COPYRIGHT 2006 ACS on STN
 IN D-Glucitol, 1-deoxy-1-(methylamino)-, 4-[[1-[[3,5-bis(1,1-dimethylethyl)-4-hydroxyphenyl]thio]-1-methylethyl]thio]-2,6-bis(1,1-dimethylethyl)phenyl heptanedioate (salt) (9CI)
 MF C38 H58 O5 S2 . C7 H17 N O5

CM 1

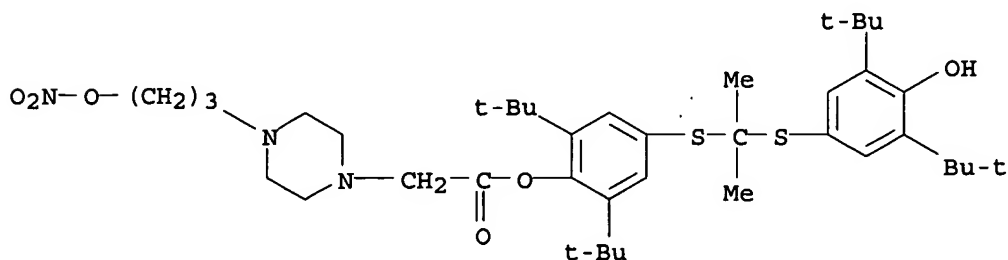


CM 2

Absolute stereochemistry.

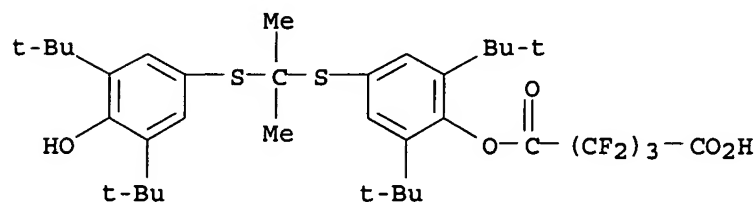


L3 41 ANSWERS REGISTRY COPYRIGHT 2006 ACS on STN
 IN 1-Piperazineacetic acid, 4-[3-(nitrooxy)propyl]-, 4-[[1-[[3,5-bis(1,1-dimethylethyl)-4-hydroxyphenyl]thio]-1-methylethyl]thio]-2,6-bis(1,1-dimethylethyl)phenyl ester (9CI)
 MF C40 H63 N3 O6 S2



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

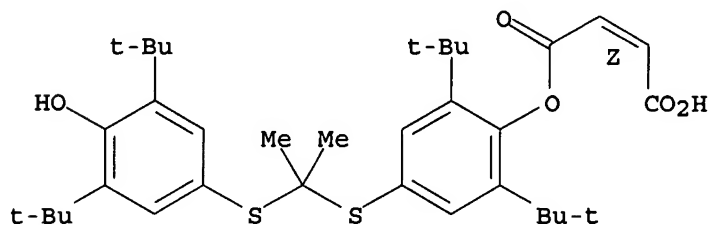
L3 41 ANSWERS REGISTRY COPYRIGHT 2006 ACS on STN
 IN Pentanedioic acid, hexafluoro-, mono[4-[[1-[[3,5-bis(1,1-dimethylethyl)-4-hydroxyphenyl]thio]-1-methylethyl]thio]-2,6-bis(1,1-dimethylethyl)phenyl] ester (9CI)
 MF C36 H48 F6 O5 S2



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

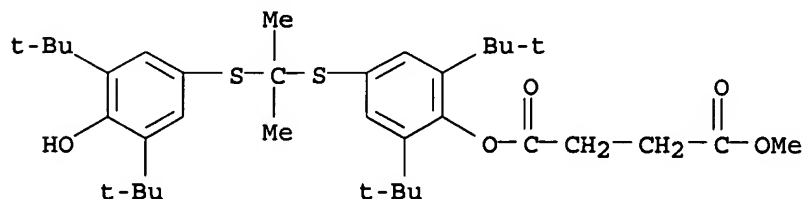
L3 41 ANSWERS REGISTRY COPYRIGHT 2006 ACS on STN
 IN 2-Butenedioic acid (2Z)-, mono[4-[[1-[[3,5-bis(1,1-dimethylethyl)-4-hydroxyphenyl]thio]-1-methylethyl]thio]-2,6-bis(1,1-dimethylethyl)phenyl] ester (9CI)
 MF C35 H50 O5 S2

Double bond geometry as shown.



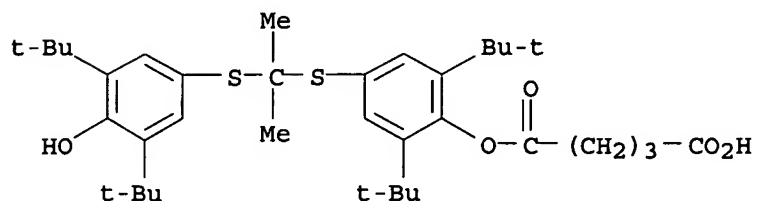
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L3 41 ANSWERS REGISTRY COPYRIGHT 2006 ACS on STN
 IN Butanedioic acid, 4-[[1-[[3,5-bis(1,1-dimethylethyl)-4-hydroxyphenyl]thio]-1-methylethyl]thio]-2,6-bis(1,1-dimethylethyl)phenyl methyl ester (9CI)
 MF C36 H54 O5 S2



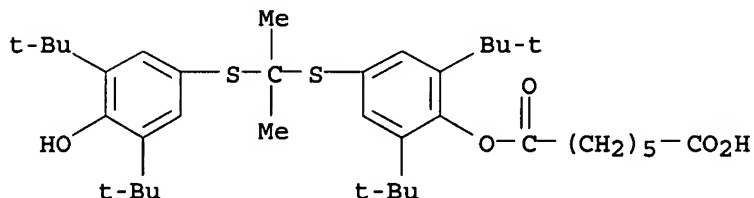
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L3 41 ANSWERS REGISTRY COPYRIGHT 2006 ACS on STN
 IN Pentanedioic acid, mono[4-[[1-[[3,5-bis(1,1-dimethylethyl)-4-hydroxyphenyl]thio]-1-methylethyl]thio]-2,6-bis(1,1-dimethylethyl)phenyl ester (9CI)
 MF C36 H54 O5 S2
 CI COM



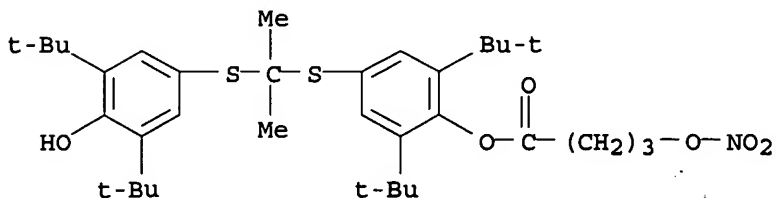
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L3 41 ANSWERS REGISTRY COPYRIGHT 2006 ACS on STN
 IN Heptanedioic acid, mono[4-[[1-[[3,5-bis(1,1-dimethylethyl)-4-hydroxyphenyl]thio]-1-methylethyl]thio]-2,6-bis(1,1-dimethylethyl)phenyl ester (9CI)
 MF C38 H58 O5 S2
 CI COM



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L3 41 ANSWERS REGISTRY COPYRIGHT 2006 ACS on STN
 IN Butanoic acid, 4-(nitrooxy)-, 4-[[1-[[3,5-bis(1,1-dimethylethyl)-4-hydroxyphenyl]thio]-1-methylethyl]thio]-2,6-bis(1,1-dimethylethyl)phenyl ester (9CI)
 MF C35 H53 N O6 S2



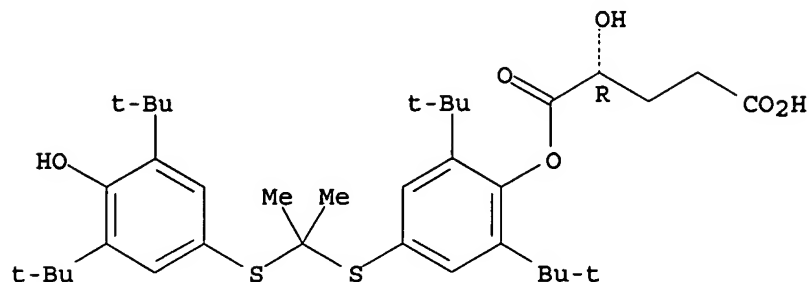
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L3 41 ANSWERS REGISTRY COPYRIGHT 2006 ACS on STN
 IN Pentanedioic acid, 2-hydroxy-, 1-[4-[[1-[[3,5-bis(1,1-dimethylethyl)-4-

hydroxyphenyl]thio]-1-methylethyl]thio]-2,6-bis(1,1-dimethylethyl)phenyl]
ester, (2R) - (9CI)

MF C36 H54 O6 S2

Absolute stereochemistry.

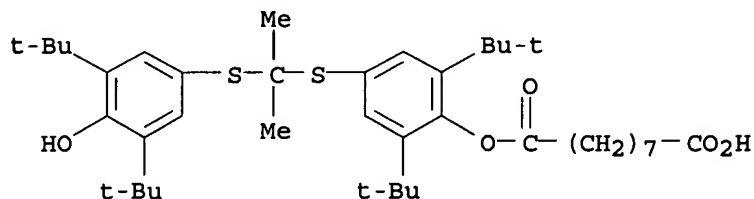


PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L3 41 ANSWERS REGISTRY COPYRIGHT 2006 ACS on STN

IN Nonanedioic acid, mono[4-[[[1-[[3,5-bis(1,1-dimethylethyl)-4-hydroxyphenyl]thio]-1-methylethyl]thio]-2,6-bis(1,1-dimethylethyl)phenyl]ester (9CI)

MF C40 H62 O5 S2

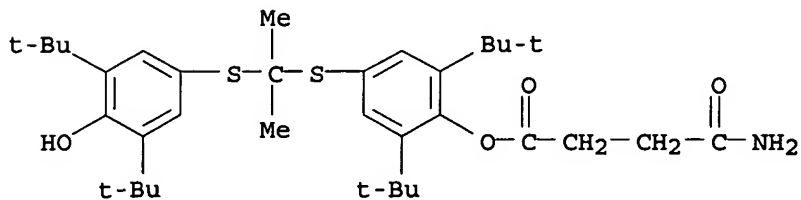


PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L3 41 ANSWERS REGISTRY COPYRIGHT 2006 ACS on STN

IN Butanoic acid, 4-amino-4-oxo-, 4-[[[1-[[3,5-bis(1,1-dimethylethyl)-4-hydroxyphenyl]thio]-1-methylethyl]thio]-2,6-bis(1,1-dimethylethyl)phenyl]ester (9CI)

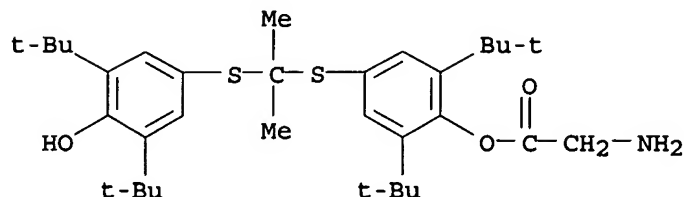
MF C35 H53 N O4 S2



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L3 41 ANSWERS REGISTRY COPYRIGHT 2006 ACS on STN

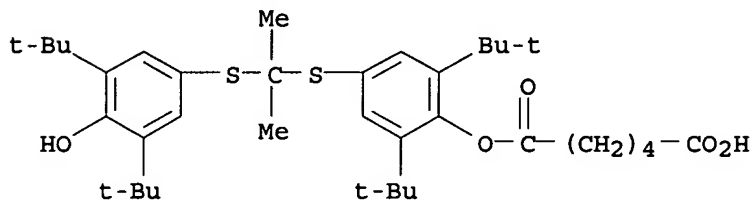
IN Glycine, 4-[[1-[[3,5-bis(1,1-dimethylethyl)-4-hydroxyphenyl]thio]-1-methylethyl]thio]-2,6-bis(1,1-dimethylethyl)phenyl ester (9CI)
 MF C33 H51 N O3 S2



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

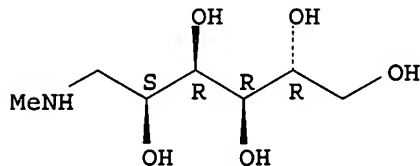
L3 41 ANSWERS REGISTRY COPYRIGHT 2006 ACS on STN
 IN D-Glucitol, 1-deoxy-1-(methylamino)-, 4-[[1-[[3,5-bis(1,1-dimethylethyl)-4-hydroxyphenyl]thio]-1-methylethyl]thio]-2,6-bis(1,1-dimethylethyl)phenyl hexanedioate (salt) (9CI)
 MF C37 H56 O5 S2 . C7 H17 N O5

CM 1

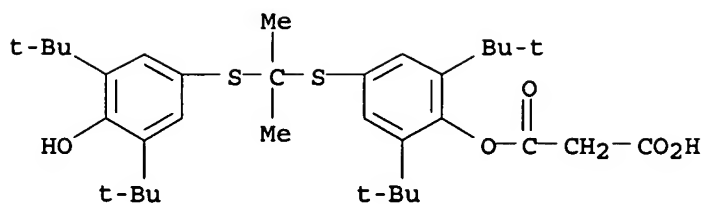


CM 2

Absolute stereochemistry.

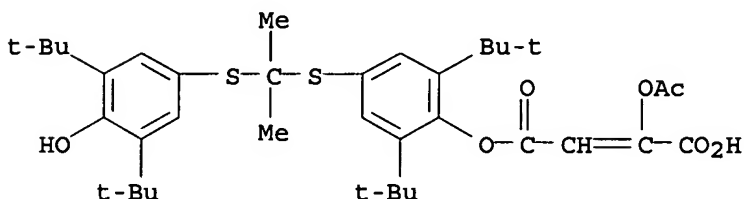


L3 41 ANSWERS REGISTRY COPYRIGHT 2006 ACS on STN
 IN Propanedioic acid, mono[4-[[1-[[3,5-bis(1,1-dimethylethyl)-4-hydroxyphenyl]thio]-1-methylethyl]thio]-2,6-bis(1,1-dimethylethyl)phenyl] ester (9CI)
 MF C34 H50 O5 S2
 CI COM



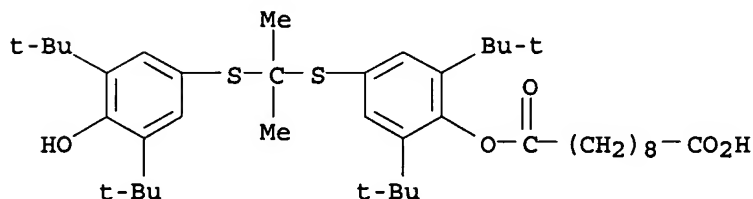
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L3 41 ANSWERS REGISTRY COPYRIGHT 2006 ACS on STN
 IN 2-Butenedioic acid, 2-(acetyloxy)-, 4-[4-[[1-[[3,5-bis(1,1-dimethylethyl)-4-hydroxyphenyl]thio]-1-methylethyl]thio]-2,6-bis(1,1-dimethylethyl)phenyl] ester (9CI)
 MF C37 H52 O7 S2



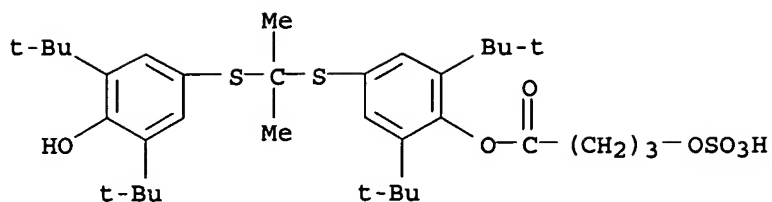
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L3 41 ANSWERS REGISTRY COPYRIGHT 2006 ACS on STN
 IN Decanedioic acid, mono[4-[[1-[[3,5-bis(1,1-dimethylethyl)-4-hydroxyphenyl]thio]-1-methylethyl]thio]-2,6-bis(1,1-dimethylethyl)phenyl] ester (9CI)
 MF C41 H64 O5 S2



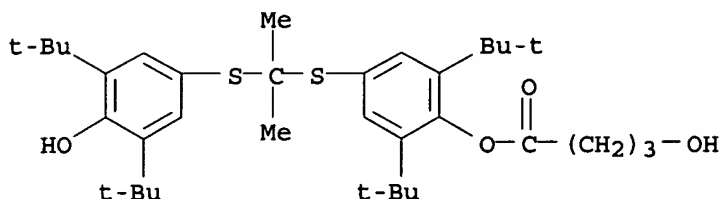
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L3 41 ANSWERS REGISTRY COPYRIGHT 2006 ACS on STN
 IN Butanoic acid, 4-(sulfooxy)-, 1-[4-[[1-[[3,5-bis(1,1-dimethylethyl)-4-hydroxyphenyl]thio]-1-methylethyl]thio]-2,6-bis(1,1-dimethylethyl)phenyl] ester (9CI)
 MF C35 H54 O7 S3
 CI COM



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

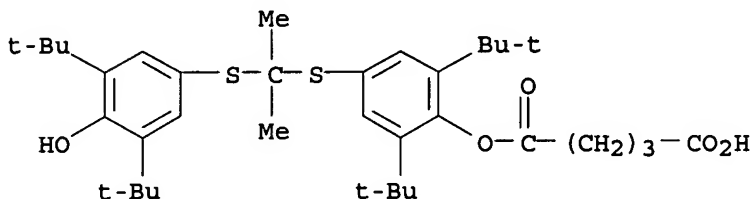
L3 41 ANSWERS REGISTRY COPYRIGHT 2006 ACS on STN
 IN Butanoic acid, 4-hydroxy-, 4-[[1-[[3,5-bis(1,1-dimethylethyl)-4-hydroxyphenyl]thio]-1-methylethyl]thio]-2,6-bis(1,1-dimethylethyl)phenyl ester (9CI)
 MF C35 H54 O4 S2



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

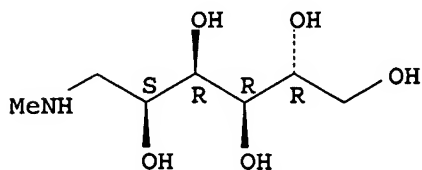
L3 41 ANSWERS REGISTRY COPYRIGHT 2006 ACS on STN
 IN D-Glucitol, 1-deoxy-1-(methylamino)-, 4-[[1-[[3,5-bis(1,1-dimethylethyl)-4-hydroxyphenyl]thio]-1-methylethyl]thio]-2,6-bis(1,1-dimethylethyl)phenyl pentanedioate (salt) (9CI)
 MF C36 H54 O5 S2 . C7 H17 N O5

CM 1

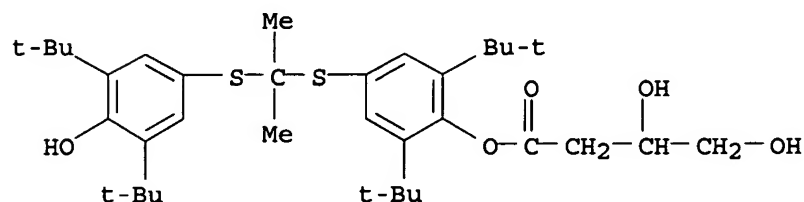


CM 2

Absolute stereochemistry.



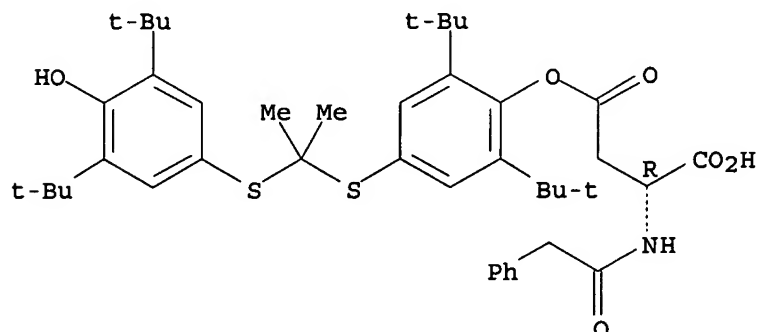
L3 41 ANSWERS REGISTRY COPYRIGHT 2006 ACS on STN
 IN Butanoic acid, 3,4-dihydroxy-, 4-[[1-[[3,5-bis(1,1-dimethylethyl)-4-hydroxyphenyl]thio]-1-methylethyl]thio]-2,6-bis(1,1-dimethylethyl)phenyl ester (9CI)
 MF C35 H54 O5 S2



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

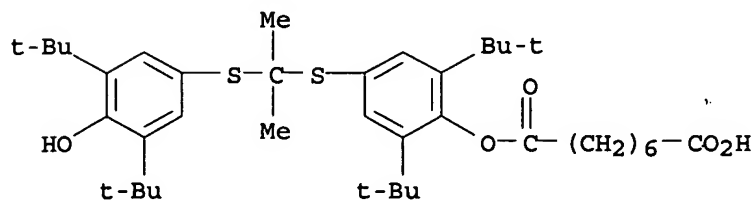
L3 41 ANSWERS REGISTRY COPYRIGHT 2006 ACS on STN
 IN D-Aspartic acid, N-(phenylacetyl)-, 4-[4-[[1-[[3,5-bis(1,1-dimethylethyl)-4-hydroxyphenyl]thio]-1-methylethyl]thio]-2,6-bis(1,1-dimethylethyl)phenyl] ester (9CI)
 MF C43 H59 N O6 S2

Absolute stereochemistry.



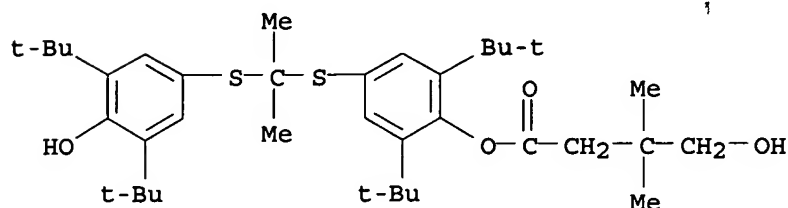
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L3 41 ANSWERS REGISTRY COPYRIGHT 2006 ACS on STN
 IN Octanedioic acid, mono[4-[[1-[[3,5-bis(1,1-dimethylethyl)-4-hydroxyphenyl]thio]-1-methylethyl]thio]-2,6-bis(1,1-dimethylethyl)phenyl] ester (9CI)
 MF C39 H60 O5 S2



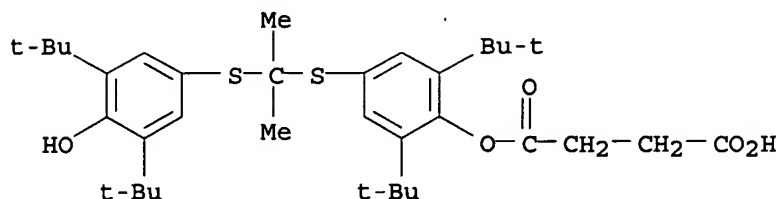
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L3 41 ANSWERS REGISTRY COPYRIGHT 2006 ACS on STN
 IN Butanoic acid, 4-hydroxy-3,3-dimethyl-, 4-[[[1-[[3,5-bis(1,1-dimethylethyl)-4-hydroxyphenyl]thio]-1-methylethyl]thio]-2,6-bis(1,1-dimethylethyl)phenyl ester (9CI)
 MF C37 H58 O4 S2



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

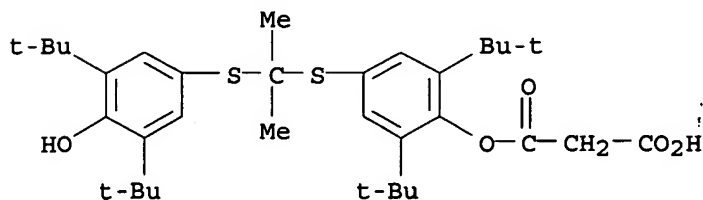
L3 41 ANSWERS REGISTRY COPYRIGHT 2006 ACS on STN
 IN Butanedioic acid, mono[4-[[[1-[[3,5-bis(1,1-dimethylethyl)-4-hydroxyphenyl]thio]-1-methylethyl]thio]-2,6-bis(1,1-dimethylethyl)phenyl] ester (9CI)
 MF C35 H52 O5 S2
 CI COM



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

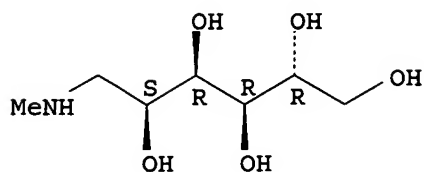
L3 41 ANSWERS REGISTRY COPYRIGHT 2006 ACS on STN
 IN D-Glucitol, 1-deoxy-1-(methyamino)-, 4-[[[1-[[3,5-bis(1,1-dimethylethyl)-4-hydroxyphenyl]thio]-1-methylethyl]thio]-2,6-bis(1,1-dimethylethyl)phenyl propanedioate (salt) (9CI)
 MF C34 H50 O5 S2 . C7 H17 N O5

CM 1

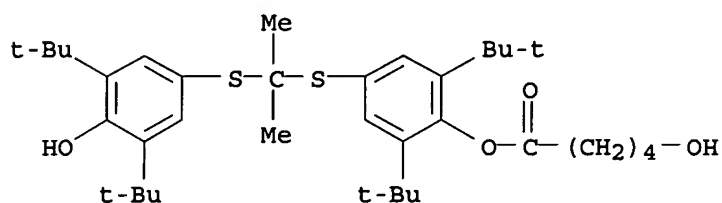


CM 2

Absolute stereochemistry.

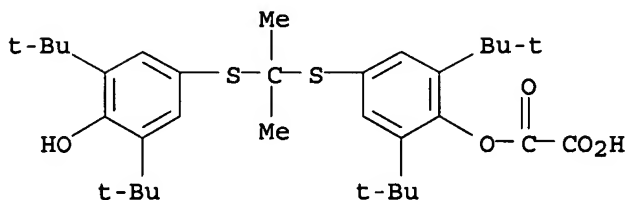


L3 41 ANSWERS REGISTRY COPYRIGHT 2006 ACS on STN
 IN Pentanoic acid, 5-hydroxy-, 4-[[1-[[3,5-bis(1,1-dimethylethyl)-4-hydroxyphenyl]thio]-1-methylethyl]thio]-2,6-bis(1,1-dimethylethyl)phenyl ester (9CI)
 MF C36 H56 O4 S2



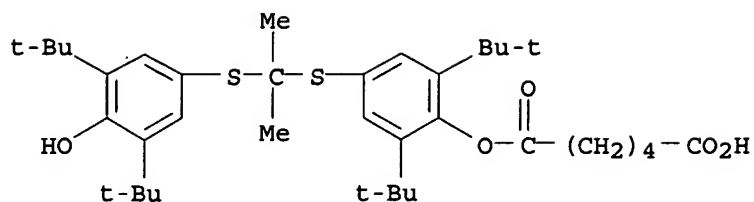
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L3 41 ANSWERS REGISTRY COPYRIGHT 2006 ACS on STN
 IN Ethanedioic acid, mono[4-[[1-[[3,5-bis(1,1-dimethylethyl)-4-hydroxyphenyl]thio]-1-methylethyl]thio]-2,6-bis(1,1-dimethylethyl)phenyl] ester (9CI)
 MF C33 H48 O5 S2



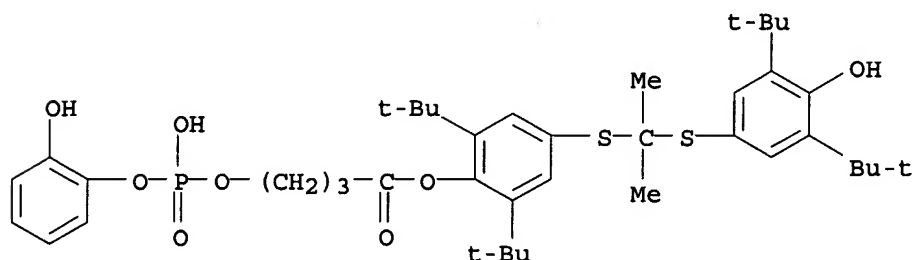
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L3 41 ANSWERS REGISTRY COPYRIGHT 2006 ACS on STN
 IN Hexanedioic acid, mono[4-[[1-[[3,5-bis(1,1-dimethylethyl)-4-hydroxyphenyl]thio]-1-methylethyl]thio]-2,6-bis(1,1-dimethylethyl)phenyl] ester (9CI)
 MF C37 H56 O5 S2
 CI COM



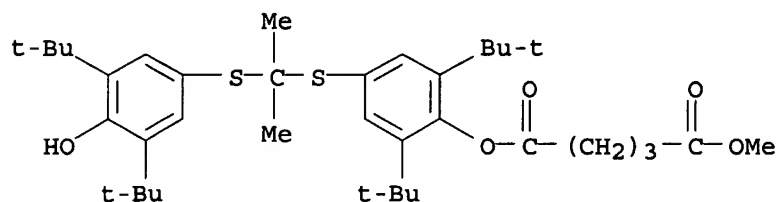
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L3 41 ANSWERS REGISTRY COPYRIGHT 2006 ACS on STN
 IN Butanoic acid, 4-[[hydroxy(2-hydroxyphenoxy)phosphinyl]oxy]-, 4-[[[1-[[3,5-bis(1,1-dimethylethyl)-4-hydroxyphenyl]thio]-1-methylethyl]thio]-2,6-bis(1,1-dimethylethyl)phenyl ester (9CI)
 MF C41 H59 O8 P S2



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L3 41 ANSWERS REGISTRY COPYRIGHT 2006 ACS on STN
 IN Pentanedioic acid, 4-[[[3,5-bis(1,1-dimethylethyl)-4-hydroxyphenyl]thio]-1-methylethyl]thio]-2,6-bis(1,1-dimethylethyl)phenyl methyl ester (9CI)
 MF C37 H56 O5 S2

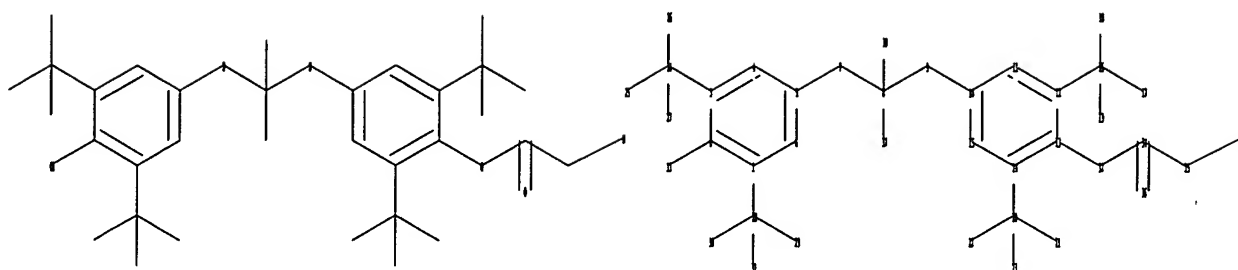


PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

ALL ANSWERS HAVE BEEN SCANNED

=>

Uploading C:\Documents and Settings\PZucker\My Documents\Examination Auxillary files\10757664\10757664 probucol amino sub core.str



chain nodes :

7 8 9 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34
35 36 37 38 39

ring nodes :

1 2 3 4 5 6 10 11 12 13 14 15

chain bonds :

1-28 2-33 3-24 5-7 7-8 8-9 8-37 8-38 9-10 12-16 13-32 14-20 16-17
16-18 16-19 20-21 20-22 20-23 24-25 24-26 24-27 28-29 28-30 28-31 32-34
34-35 34-36 35-39

ring bonds :

1-2 1-6 2-3 3-4 4-5 5-6 10-11 10-15 11-12 12-13 13-14 14-15

exact/norm bonds :

2-33 5-7 7-8 8-9 9-10 13-32 32-34 34-36 35-39

exact bonds :

1-28 3-24 8-37 8-38 12-16 14-20 16-17 16-18 16-19 20-21 20-22 20-23
24-25 24-26 24-27 28-29 28-30 28-31 34-35

normalized bonds :

1-2 1-6 2-3 3-4 4-5 5-6 10-11 10-15 11-12 12-13 13-14 14-15

Match level :

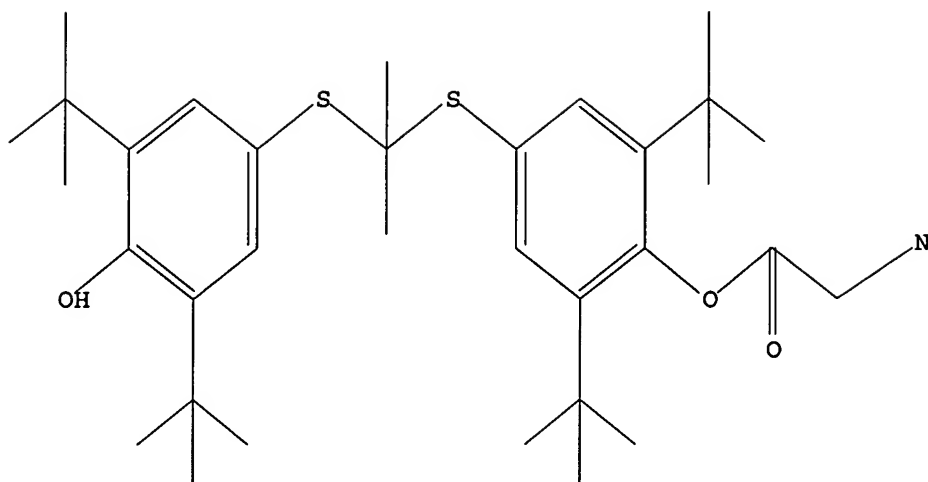
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11:Atom 12:Atom 13:Atom 14:Atom 15:Atom 16:CLASS 17:CLASS 18:CLASS 19:CLASS
20:CLASS 21:CLASS 22:CLASS 23:CLASS 24:CLASS 25:CLASS 26:CLASS 27:CLASS
28:CLASS 29:CLASS 30:CLASS 31:CLASS 32:CLASS 33:CLASS 34:CLASS 35:CLASS
36:CLASS 37:CLASS 38:CLASS 39:CLASS

L4 STRUCTURE UPLOADED

=> d l4

L4 HAS NO ANSWERS

L4 STR



Structure attributes must be viewed using STN Express query preparation.

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=> search l4 sss sam
SAMPLE SEARCH INITIATED 07:20:32 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED -      15 TO ITERATE
```

```
100.0% PROCESSED      15 ITERATIONS      0 ANSWERS
SEARCH TIME: 00.00.01
```

```
FULL FILE PROJECTIONS:  ONLINE  **COMPLETE**
                        BATCH   **COMPLETE**
PROJECTED ITERATIONS:   68 TO    532
PROJECTED ANSWERS:      0 TO     0
```

```
L5          0 SEA SSS SAM L4
```

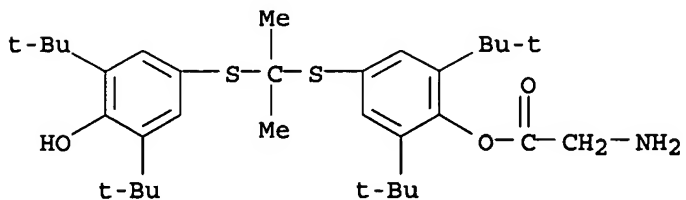
```
=> search l4 sss full
FULL SEARCH INITIATED 07:23:53 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED -      260 TO ITERATE
```

```
100.0% PROCESSED      260 ITERATIONS      1 ANSWERS
SEARCH TIME: 00.00.04
```

```
L6          1 SEA SSS FUL L4
```

```
=> d scan
```

```
L6  1 ANSWERS  REGISTRY  COPYRIGHT 2006 ACS on STN
IN  Glycine, 4-[[1-[[3,5-bis(1,1-dimethylethyl)-4-hydroxyphenyl]thio]-1-
    methylethyl]thio]-2,6-bis(1,1-dimethylethyl)phenyl ester (9CI)
MF  C33 H51 N O3 S2
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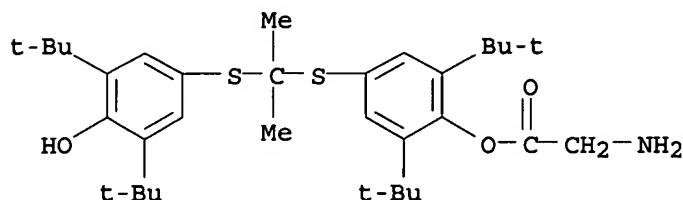


PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

ALL ANSWERS HAVE BEEN SCANNED

=> d 16

L6 ANSWER 1 OF 1 REGISTRY COPYRIGHT 2006 ACS on STN
RN 216167-93-0 REGISTRY
ED Entered STN: 29 Dec 1998
CN Glycine, 4-[[[1-[[3,5-bis(1,1-dimethylethyl)-4-hydroxyphenyl]thio]-1-methylethyl]thio]-2,6-bis(1,1-dimethylethyl)phenyl ester (9CI) (CA INDEX NAME)
FS 3D CONCORD
MF C33 H51 N O3 S2
SR CA
LC STN Files: CA, CAPLUS, TOXCENTER, USPAT2, USPATFULL



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

5 REFERENCES IN FILE CA (1907 TO DATE)
5 REFERENCES IN FILE CAPLUS (1907 TO DATE)

=> file caplus

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	341.50	341.92

FILE 'CAPLUS' ENTERED AT 07:24:28 ON 30 AUG 2006
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
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FILE LAST UPDATED: 29 Aug 2006 (20060829/ED)

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(L6 (L) PREP/RL)

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L7 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2006 ACS on STN
TI Preparation of phenolic compounds for the inhibition of the expression of
VCAM-1
AN 1998:761875 CAPLUS
DN 130:13646
TI Preparation of phenolic compounds for the inhibition of the expression of
VCAM-1
IN Medford, Russell M.; Somers, Patricia K.; Hoong, Lee K.; Meng, Charles Q.
PA Atherogenics, Inc., USA
SO PCT Int. Appl., 109 pp.
CODEN: PIXXD2
DT Patent
LA English
FAN.CNT 4

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 9851662	A2	19981119	WO 1998-US9781	19980514
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	RW:	AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG			
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	AU 750041	B2	20020711		
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	TR 9902802	T2	20000421	TR 1999-2802	19980514
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			WO 1998-US9781	W 19980514
US 2005090487	A1	20050428	US 2003-647766	20030825
			US 1997-47020P	P 19970514
			US 1998-79213	A1 19980514
			US 1999-370046	A1 19990806
			US 2002-60734	A1 20020130
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			AU 2002-300328	A3 20020730

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FAN 1998:761806

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PI	WO 9851289	A2	19981119	WO 1998-US9773	19980514
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AU 747801	B2	20020523			
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FAN 2001:713364

PATENT NO.

KIND

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APPLICATION NO.

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PI

WO 2001070757

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WO 2001-US9049

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WO 2001070757

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R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR

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FAN 2002:814837

PATENT NO.

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PI

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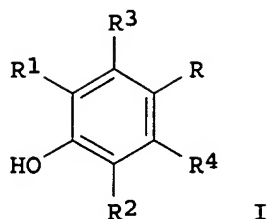
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			AU 2002-300328	A3	20020730

OS MARPAT 130:13646
GI



AB Title compds. [e.g., I; R = Z1Z2R5; R1,R2 = (un)substituted (cyclo)alkyl, -(hetero)aryl, etc.; R3,R4 = any group that does not otherwise adversely affect (sic) the desired properties of the mol. including H, halogen, or R1 (sic); R5 = (di)(alkyl)amino, alkyl, alkoxy(carbonyl), (hetero)aryl, etc.; Z1 = O SO0-2, NH, CH2; Z2 = bond, alkylene(oxy) aryleneoxy, etc.] were prepared Thus, 4-(BrCH2)C6H4CH2CO2H was thioetherified by 4-mercapto-2,6-di-tert-butylphenol to give I [R = SCH2C6H4(CH2CO2H)-4, R1 = R2 = CMe3, R3 = R4 = H]. Data for biol. activity of I were given.

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L8 5 L6

=> d l8 1-5 ti

L8 ANSWER 1 OF 5 CAPLUS COPYRIGHT 2006 ACS on STN

TI Probucol-related compounds and methods for treating diabetic vascular diseases

L8 ANSWER 2 OF 5 CAPLUS COPYRIGHT 2006 ACS on STN

TI Probucol-related compounds and methods for treating transplant rejection

L8 ANSWER 3 OF 5 CAPLUS COPYRIGHT 2006 ACS on STN

TI Probucol derivatives and methods for treating transplant rejection

L8 ANSWER 4 OF 5 CAPLUS COPYRIGHT 2006 ACS on STN

TI Methods and compositions to lower plasma cholesterol levels

L8 ANSWER 5 OF 5 CAPLUS COPYRIGHT 2006 ACS on STN

TI Preparation of phenolic compounds for the inhibition of the expression of VCAM-1

=> d l8 1-5 ti fbib abs

L8 ANSWER 1 OF 5 CAPLUS COPYRIGHT 2006 ACS on STN

TI Probucol-related compounds and methods for treating diabetic vascular diseases

AN 2006:53906 CAPLUS

DN 144:121801

TI Probucol-related compounds and methods for treating diabetic vascular diseases

IN Sundell, Cynthia L.; Kunsch, Charles

PA Atherogenics, Inc., USA

SO PCT Int. Appl., 83 pp.

CODEN: PIXXD2

DT Patent

LA English

FAN.CNT 1

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RW: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM

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US 2004-584638P

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US 2005-171847

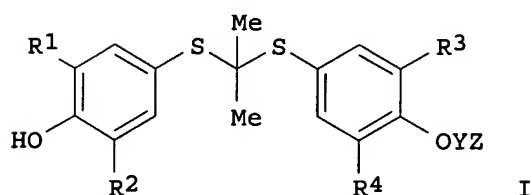
20050630

US 2004-584638P

P 20040701

OS MARPAT 144:121801

GI



AB The invention discloses compns. and methods of use of compds. I [Y = bond, C(O); R1-R4 = H, OH, alkyl, aryl, etc.; Z = alkyl, alkenyl, alkynyl, aryl, etc.], and pharmaceutically acceptable salts thereof, for the treatment of diabetic vascular diseases such as diabetic neuropathy, nephropathy, and retinopathy. Compds. of the invention include e.g. AGIX-4207.

L8 ANSWER 2 OF 5 CAPLUS COPYRIGHT 2006 ACS on STN

TI Probucol-related compounds and methods for treating transplant rejection

AN 2003:376511 CAPLUS

DN 138:362670

TI Probucol-related compounds and methods for treating transplant rejection

IN Glass, Mitchell; Edwards, David B.

PA Atherogenics, Inc., USA

SO PCT Int. Appl., 87 pp.

CODEN: PIXXD2

DT Patent

LA English

FAN.CNT 1

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PI	WO 2003039231	A2	20030515	WO 2002-US34187	20021025
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OS MARPAT 138:362670

AB The invention discloses the use of probucol-related compds. (Markush included), and pharmaceutically acceptable salts thereof, alone or in combination, for the treatment of transplant rejection.

L8 ANSWER 3 OF 5 CAPLUS COPYRIGHT 2006 ACS on STN

TI Probucol derivatives and methods for treating transplant rejection

AN 2002:814837 CAPLUS

DN 137:320305

TI Probucol derivatives and methods for treating transplant rejection

IN Edwards, David B.; Somers, Patricia K.; Glass, Mitchell

PA Atherogenics, Onc., USA

SO U.S. Pat. Appl. Publ., 22 pp., Cont.-in-part of U.S. Ser. No. 815,262. CODEN: USXXCO

DT Patent

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FAN.CNT 4

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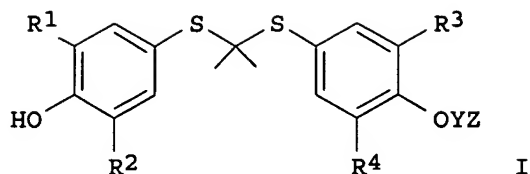
FAN 1998:761806

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FAN 2001:713364				
PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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OS MARPAT 137:320305				
GI				



AB The invention discloses the use of I [R1-R4 = H, OH, C1-10 alkyl, aryl, heteroaryl, etc.; Y = bond, C(O); Z = C1-10 alkyl, C2-10 alkenyl, C2-10 alkynyl, etc.], and pharmaceutically acceptable salts thereof, alone or in combination, for the treatment of transplant rejection. Preparation of I [R1-R4 = tert-butyl; YZ = (CH2)3COOH] from probucol which was evaluated in a graft arteriopathy model and Me 4-chlorobutyrate is described.

L8 ANSWER 4 OF 5 CAPLUS COPYRIGHT 2006 ACS on STN
 TI Methods and compositions to lower plasma cholesterol levels
 AN 2000:335659 CAPLUS
 DN 132:343330
 TI Methods and compositions to lower plasma cholesterol levels
 IN Medford, Russell M.; Saxena, Uday
 PA Atherogenics, Inc., USA
 SO PCT Int. Appl., 50 pp.
 CODEN: PIXXD2
 DT Patent
 LA English
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AB A method for determining whether a compound binds to a lipoprotein, e.g. LDL or VLDL, in a manner which will lower plasma cholesterol is provided that includes assessing the ability of the compound to form a complex with the lipoprotein, e.g., LDL or VLDL, and then determining whether the newly formed complex causes a change in the structure of apoB-100 that results in

increased binding affinity to the LDL receptor. Also disclosed is a method for lowering cholesterol in a host in need thereof, including a human, that includes the administration of an effective amount of a compound which binds to cholesterol-carrying lipoprotein (e.g. LDL or VLDL) in a manner that alters the three dimensional configuration of the lipoprotein and increases the binding affinity of the apoB-100 protein to the LDL receptor, including those on the surface of a hepatic cell.

RE.CNT 8 THERE ARE 8 CITED REFERENCES AVAILABLE FOR THIS RECORD
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L8 ANSWER 5 OF 5 CAPLUS COPYRIGHT 2006 ACS on STN
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DN 130:13646
TI Preparation of phenolic compounds for the inhibition of the expression of VCAM-1
IN Medford, Russell M.; Somers, Patricia K.; Hoong, Lee K.; Meng, Charles Q.
PA Atherogenics, Inc., USA
SO PCT Int. Appl., 109 pp.
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PATENT FAMILY INFORMATION:

FAN 1998:761806

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FAN 2001:713364

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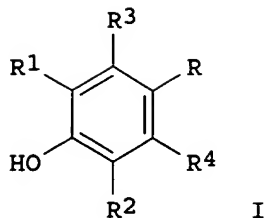
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OS MARPAT 130:13646
GI



AB Title compds. [e.g., I; R = Z1Z2R5; R1,R2 = (un)substituted (cyclo)alkyl, -(hetero)aryl, etc.; R3,R4 = any group that does not otherwise adversely affect (sic) the desired properties of the mol. including H, halogen, or R1 (sic); R5 = (di)(alkyl)amino, alkyl, alkoxy(carbonyl), (hetero)aryl, etc.; Z1 = O SOO-2, NH, CH2; Z2 = bond, alkylene(oxy) aryleneoxy, etc.] were prepared Thus, 4-(BrCH2)C6H4CH2CO2H was thioetherified by 4-mercapto-2,6-di-tert-butylphenol to give I [R = SCH2C6H4(CH2CO2H)-4, R1 = R2 = CMe3, R3 = R4 = H]. Data for biol. activity of I were given.

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COST IN U.S. DOLLARS

SINCE FILE	TOTAL
ENTRY	SESSION
47.25	389.17

FULL ESTIMATED COST

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)

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CA SUBSCRIBER PRICE

SESSION WILL BE HELD FOR 60 MINUTES

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PASSWORD:

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NEWS 4	APR 04	STN AnaVist \$500 visualization usage credit offered
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NEWS 6	MAY 11	KOREAPAT updates resume
NEWS 7	MAY 19	Derwent World Patents Index to be reloaded and enhanced
NEWS 8	MAY 30	IPC 8 Rolled-up Core codes added to CA/CAPLUS and USPATFULL/USPAT2
NEWS 9	MAY 30	The F-Term thesaurus is now available in CA/CAPLUS
NEWS 10	JUN 02	The first reclassification of IPC codes now complete in INPADOC
NEWS 11	JUN 26	TULSA/TULSA2 reloaded and enhanced with new search and display fields
NEWS 12	JUN 28	Price changes in full-text patent databases EPFULL and PCTFULL
NEWS 13	JUL 11	CHEMSAFE reloaded and enhanced

NEWS 14 JUL 14 FSTA enhanced with Japanese patents
NEWS 15 JUL 19 Coverage of Research Disclosure reinstated in DWPI
NEWS 16 AUG 09 INSPEC enhanced with 1898-1968 archive
NEWS 17 AUG 28 ADISCTI Reloaded and Enhanced

NEWS EXPRESS JUNE 30 CURRENT WINDOWS VERSION IS V8.01b, CURRENT
MACINTOSH VERSION IS V6.0c(ENG) AND V6.0Jc(JP),
AND CURRENT DISCOVER FILE IS DATED 26 JUNE 2006.

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4-((1-((4-(acetyloxy)-3,5-bis(1,1-dimethylethyl)phenyl)thio)-1-methylethyl)thio)-2,6
-bis(1,1-dimethylethyl)-/cn

E1 1 PHENOL, 4-((1-((4-(4-AMINOBUTOXY)-3,5-DIMETHYLPHENYL)THIO)-1-
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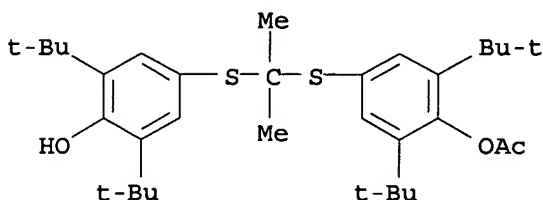
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E11 1 PHENOL, 4-((1-(1-(METHOXYMETHYL) PROPYL) -6-METHYL-1H-1,2,3-TR
IAZOLO(4,5-C) PYRIDIN-4-YL) AMINO) -3-METHYL-/CN
E12 1 PHENOL, 4-((1-(1-AZETIDINYL) CYCLOHEXYL) METHYL) -/CN

=> e3

L1 1 "PHENOL, 4-((1-((4-(ACETYLOXY) -3,5-BIS(1,1-DIMETHYLETHYL) PHENYL)
THIO) -1-METHYLETHYL) THIO) -2,6-BIS(1,1-DIMETHYLETHYL) -"/CN

=> d 11

L1 ANSWER 1 OF 1 REGISTRY COPYRIGHT 2006 ACS on STN
RN 729583-53-3 REGISTRY
ED Entered STN: 21 Aug 2004
CN Phenol, 4-[[1-[[4-(acetyloxy)-3,5-bis(1,1-dimethylethyl)phenyl]thio]-
1-methylethyl]thio]-2,6-bis(1,1-dimethylethyl)- (9CI) (CA INDEX
NAME)
FS 3D CONCORD
MF C33 H50 O3 S2
SR CA
LC STN Files: CA, CAPLUS, USPATFULL



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

2 REFERENCES IN FILE CA (1907 TO DATE)
2 REFERENCES IN FILE CAPLUS (1907 TO DATE)

=> file caplus

COST IN U.S. DOLLARS

SINCE FILE ENTRY	TOTAL SESSION
7.10	7.31

FULL ESTIMATED COST

FILE 'CAPLUS' ENTERED AT 08:39:02 ON 30 AUG 2006
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FILE LAST UPDATED: 29 Aug 2006 (20060829/ED)

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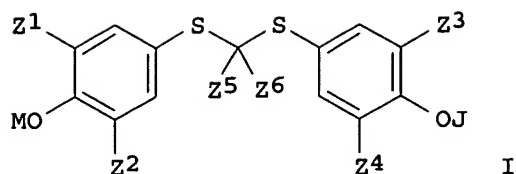
=> l1

L2 2 L1

=> d l2 1-2 ti fbib abs

L2 ANSWER 1 OF 2 CAPLUS COPYRIGHT 2006 ACS on STN
TI Process for preparing esters of probucol and derivatives thereof using acid anhydrides in the presence of DBU or DBN.
AN 2005:1170583 CAPLUS
DN 143:440071
TI Process for preparing esters of probucol and derivatives thereof using acid anhydrides in the presence of DBU or DBN.
IN Weingarten, David M.
PA Atherogenics, Inc., USA
SO PCT Int. Appl., 68 pp.
CODEN: PIXXD2
DT Patent
LA English
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2005102323	A2	20051103	WO 2005-US13394	20050420
	WO 2005102323	A3	20051215		
	W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW			
	RW:	BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG			
	US 2005267187	A1	20051201	US 2004-564267P	P 20040420
				US 2005-111194	20050420
				US 2004-564267P	P 20040420
OS	MARPAT 143:440071				
GI					

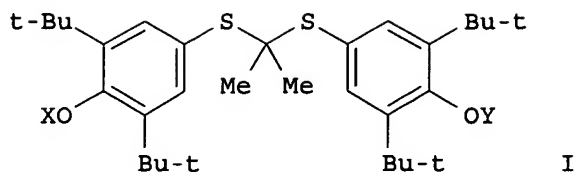


AB Title compds. [I; Z1-Z4 = H, (substituted) alkyl; Z5, Z6 = (substituted) alkyl, alkenyl, aryl; Z5Z6 = atoms to form a carbocyclic ring; M = H, (substituted) (unsatd.) acyl; J = (substituted) (unsatd.) acyl], were prepared by reaction of I (M, J = H; other variables as above) with (substituted) (unsatd.) acyl halides, carboxylic acid anhydrides, or carboxylic acid esters in the presence of R1R3NCY(:NR4) (Y = R2, NR2R5; R1-R5 = (substituted) alkyl, alkenyl; R1R2, R3R4 = atoms to form rings). Thus, probucol, succinic anhydride, and DBU were stirred in MeCN at 50° for 1 h to give a mixture comprising probucol monosuccinate 49 weight%, probucol disuccinate 18 weight%, and probucol 33 weight%.

L2 ANSWER 2 OF 2 CAPLUS COPYRIGHT 2006 ACS on STN
 TI Process of preparing esters and ethers of probucol and derivatives thereof
 AN 2004:610066 CAPLUS
 DN 141:156929
 TI Process of preparing esters and ethers of probucol and derivatives thereof
 IN Weingarten, M. David; Sikorski, James A.
 PA Atherogenics, Inc., USA
 SO PCT Int. Appl., 136 pp.
 CODEN: PIXXD2
 DT Patent
 LA English
 FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI WO 2004062622	A2	20040729	WO 2004-US805	20040113
WO 2004062622	A3	20041202		
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ				
AU 2004204824	A1	20040729	US 2003-439665P	P 20030113
			AU 2004-204824	20040113
			US 2003-439665P	P 20030113
			WO 2004-US805	W 20040113
CA 2512980	AA	20040729	CA 2004-2512980	20040113
			US 2003-439665P	P 20030113
			WO 2004-US805	W 20040113
US 2004204485	A1	20041014	US 2004-757664	20040113
			US 2003-439665P	P 20030113
EP 1594824	A2	20051116	EP 2004-701812	20040113
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, SK				
			US 2003-439665P	P 20030113
			WO 2004-US805	W 20040113
BR 2004006738	A	20051220	BR 2004-6738	20040113
			US 2003-439665P	P 20030113
			WO 2004-US805	W 20040113
CN 1759084	A	20060412	CN 2004-80006265	20040113
			US 2003-439665P	P 20030113
JP 2006516569	T2	20060706	JP 2006-500935	20040113
			US 2003-439665P	P 20030113
			WO 2004-US805	W 20040113

OS MARPAT 141:156929
 GI



AB Probucol or a probucol derivative can be efficiently converted to a monoester or monoether of probucol (I) [wherein R1-R4 = H, (un)substituted alkyl; R5, R6 = each (un)substituted alkyl, alkenyl, or aryl; or R5 and R6 can come together to form a carbocyclic ring; X, Y = H, optionally substituted (un)saturated acyl having from 1 to 18 carbon atoms each optionally containing

a polar or charged functionality] by reacting the free hydroxyl-containing probucol or a derivative thereof (by which is meant a probucol compound with at least one substituent that is different from that on the parent probucol mol. but which maintains the two free hydroxyl groups), i.e., I (X = Y = H; R1-R6 = same as above), with a Grignard reagent or a lithium reagent that produces a magnesium bromide or lithium salt of probucol or the probucol derivative. The probucol compound anion is then reacted with an ester or ether forming compound. Thus, in a dry 25 mL 3-neck round bottom flask fitted with a reflux condenser, nitrogen inlet, thermocouple and stir bar was charged probucol (0.25 g, 0.48 mmol) followed by 2.5 mL anhydrous toluene and then isopropylmagnesium chloride (0.51 mL, 2.0 M in THF) in 1 portion. The reaction was brought to room temperature and then succinic anhydride (0.25 g, 2.5 mmol) was added in 1 portion. After aging for 45 min, the reaction was slowly quenched with 1 N HCl and diluted with EtOAc. The biphasic reaction was then cooled to room temperature and the phases were separated to give an organic layer containing 60% probucol monosuccinate, 13% probucol disuccinate, and 27% probucol according to HPLC anal.

=> logoff hold

COST IN U.S. DOLLARS

SINCE FILE	TOTAL
ENTRY	SESSION
9.16	16.47

FULL ESTIMATED COST

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)

SINCE FILE	TOTAL
ENTRY	SESSION
-1.50	-1.50

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STN INTERNATIONAL SESSION SUSPENDED AT 08:43:34 ON 30 AUG 2006